

**FIG. 3.**

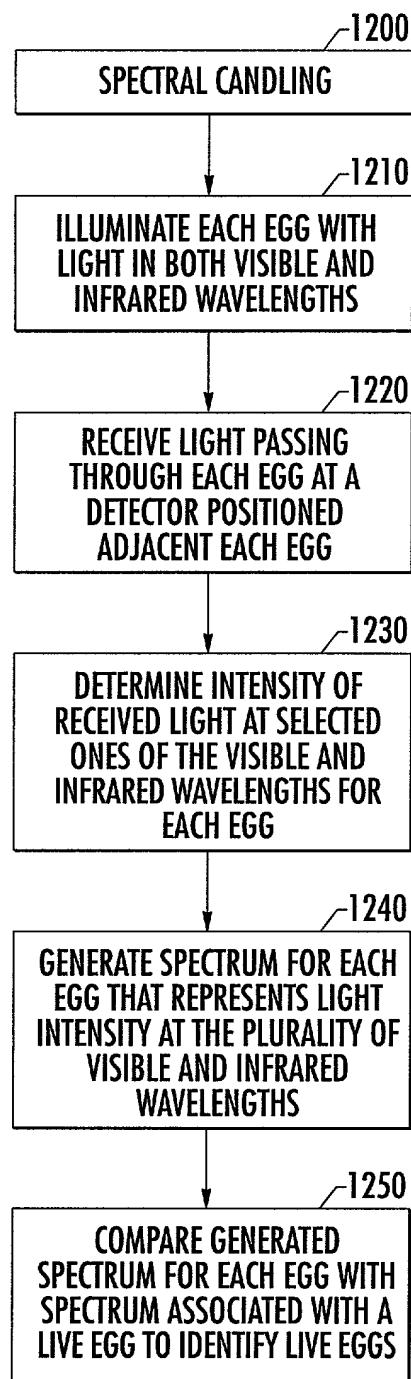


FIG. 4.

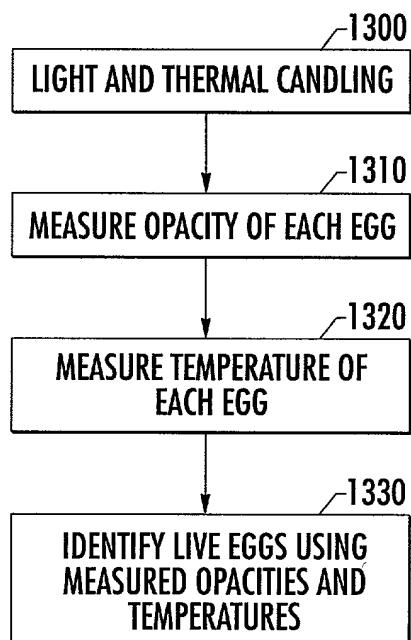


FIG. 6.

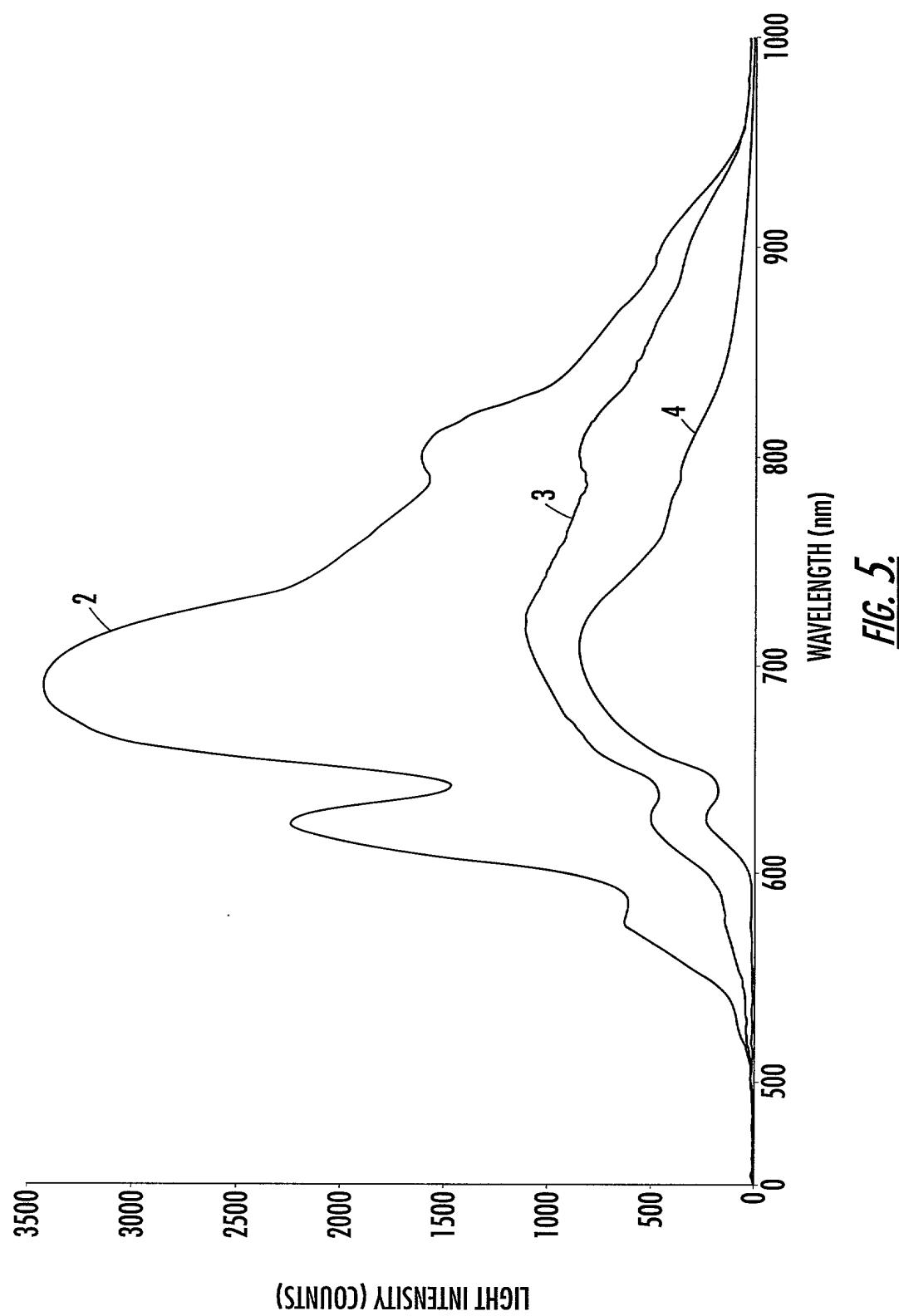


FIG. 5.

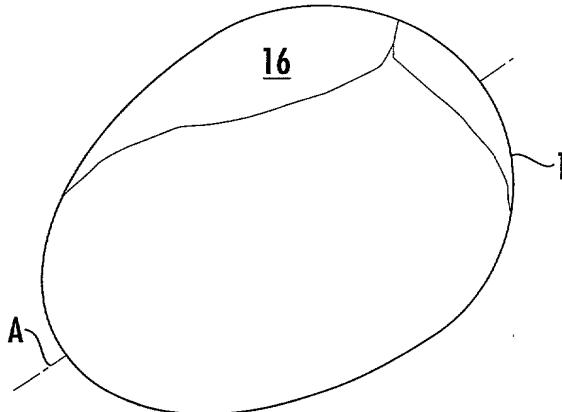
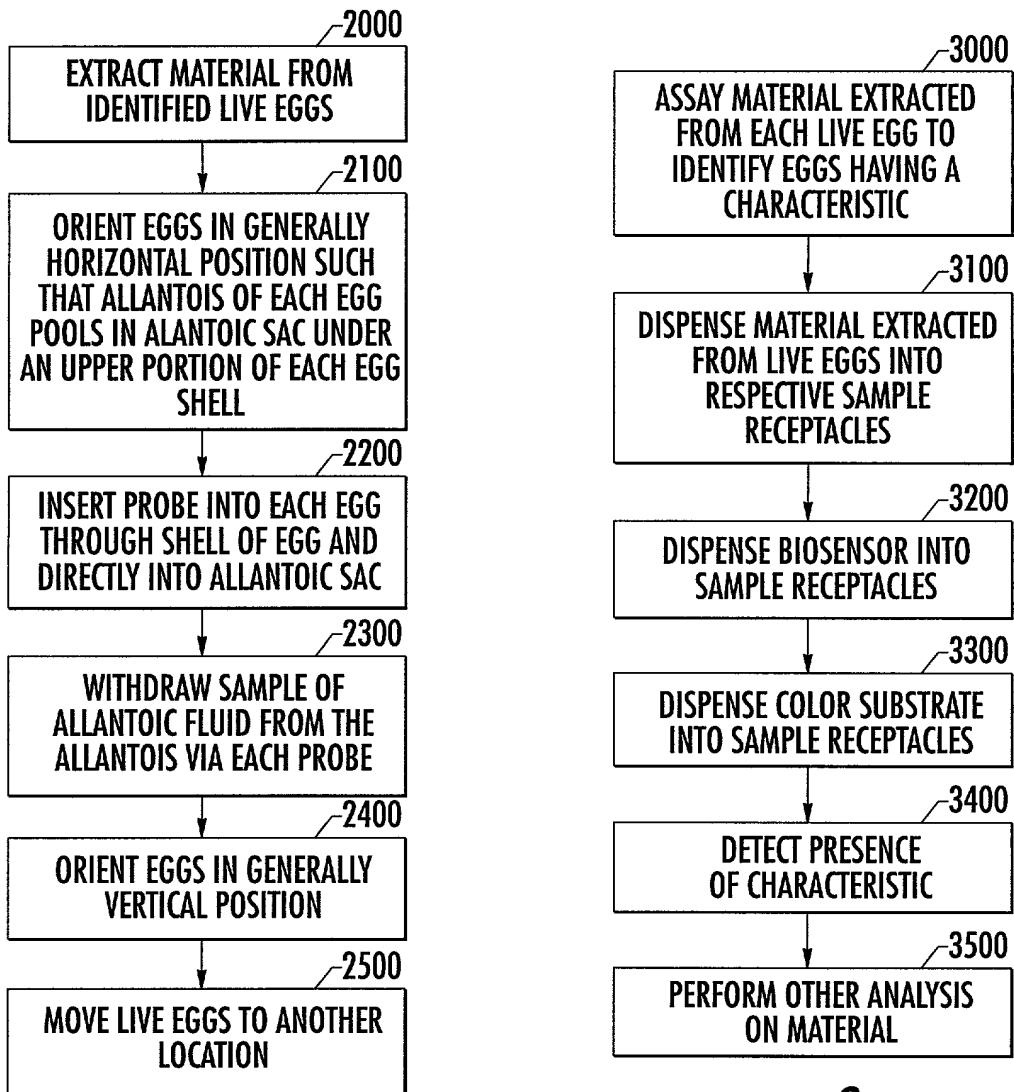


FIG. 8.

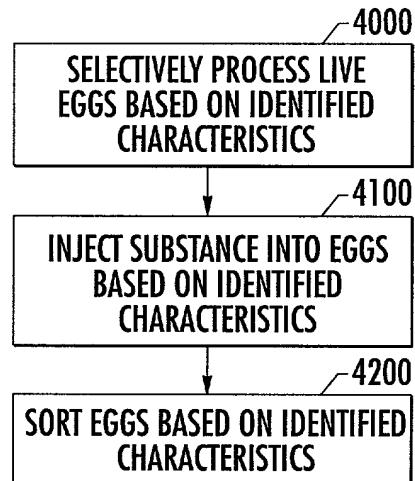
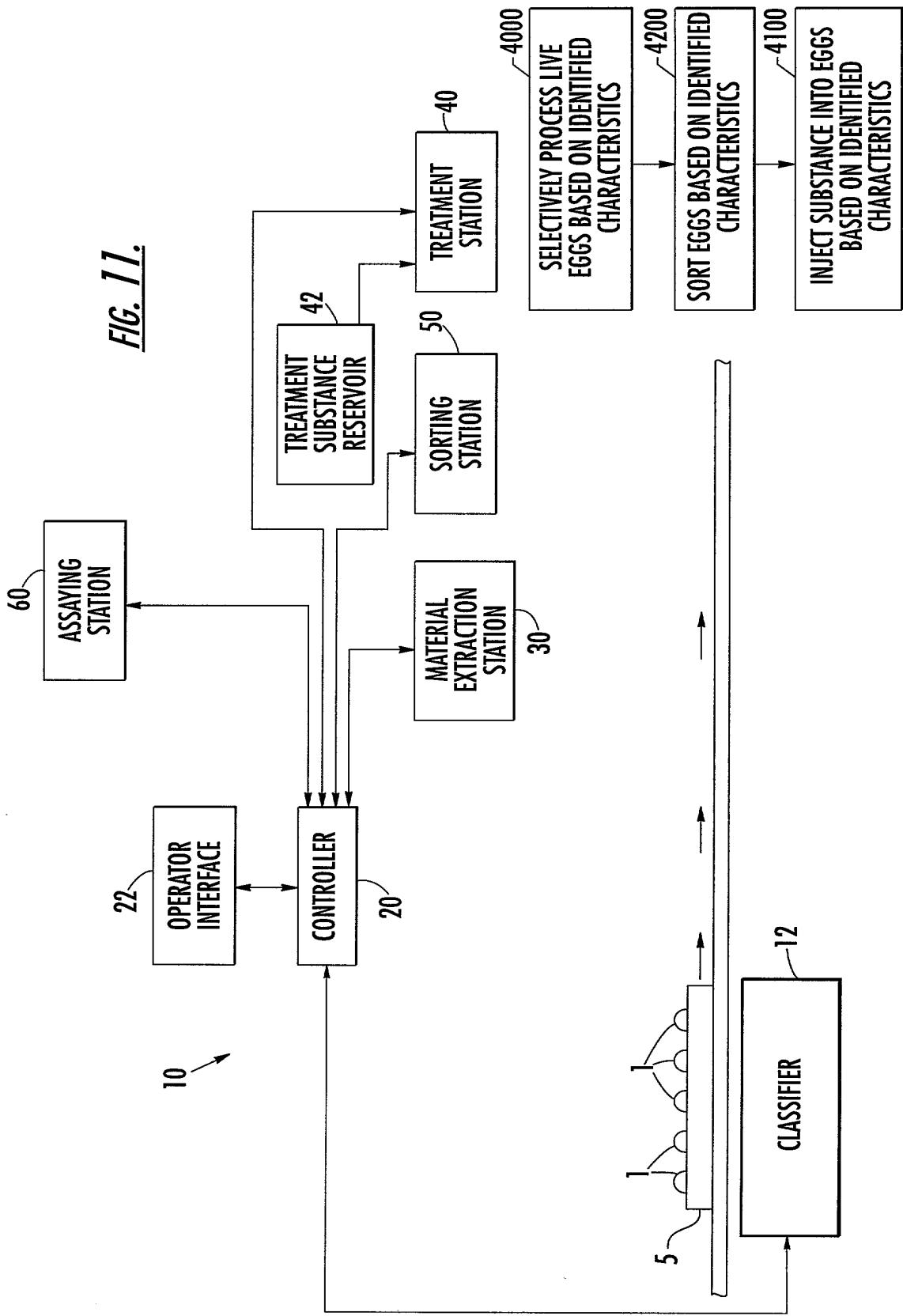


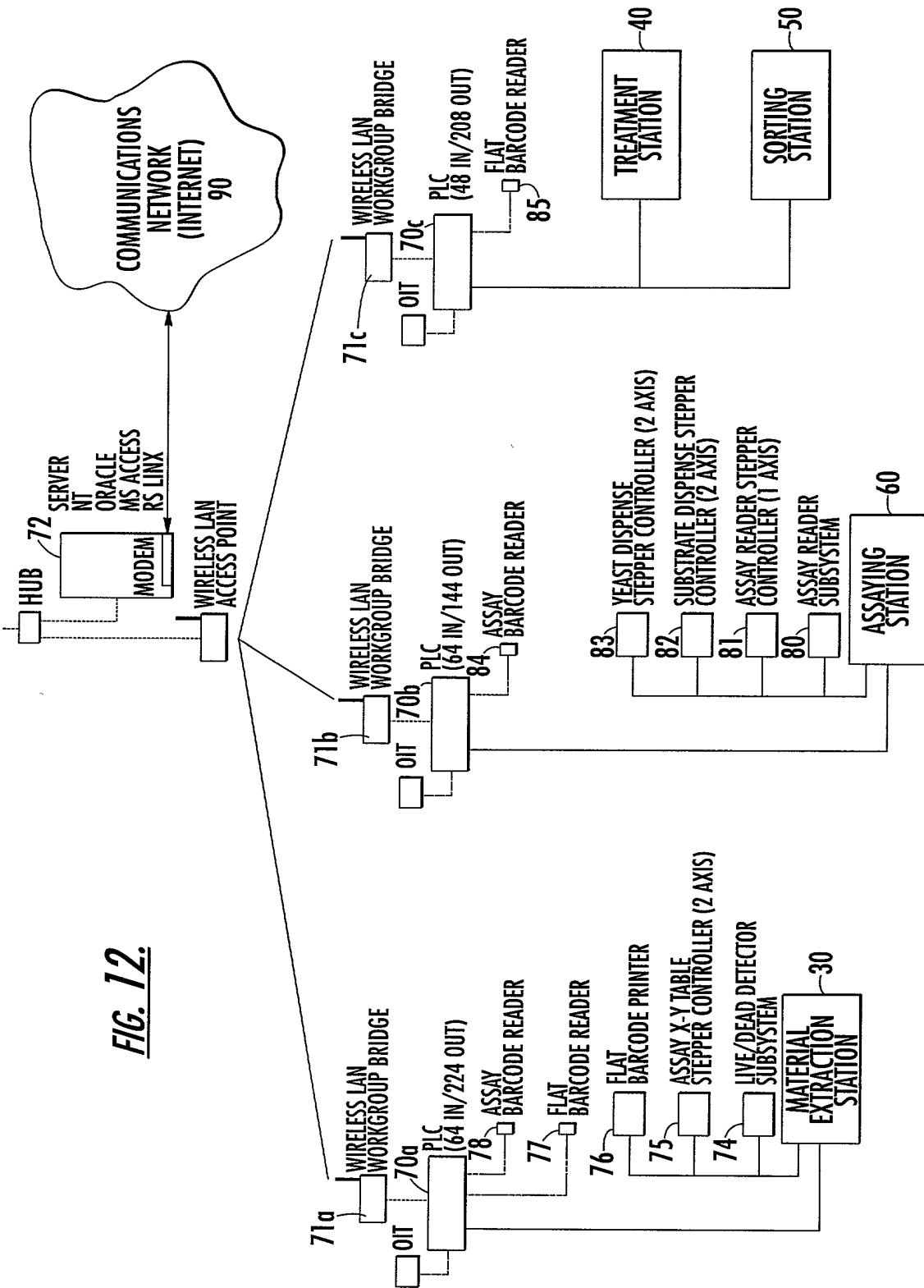
FIG. 10A.

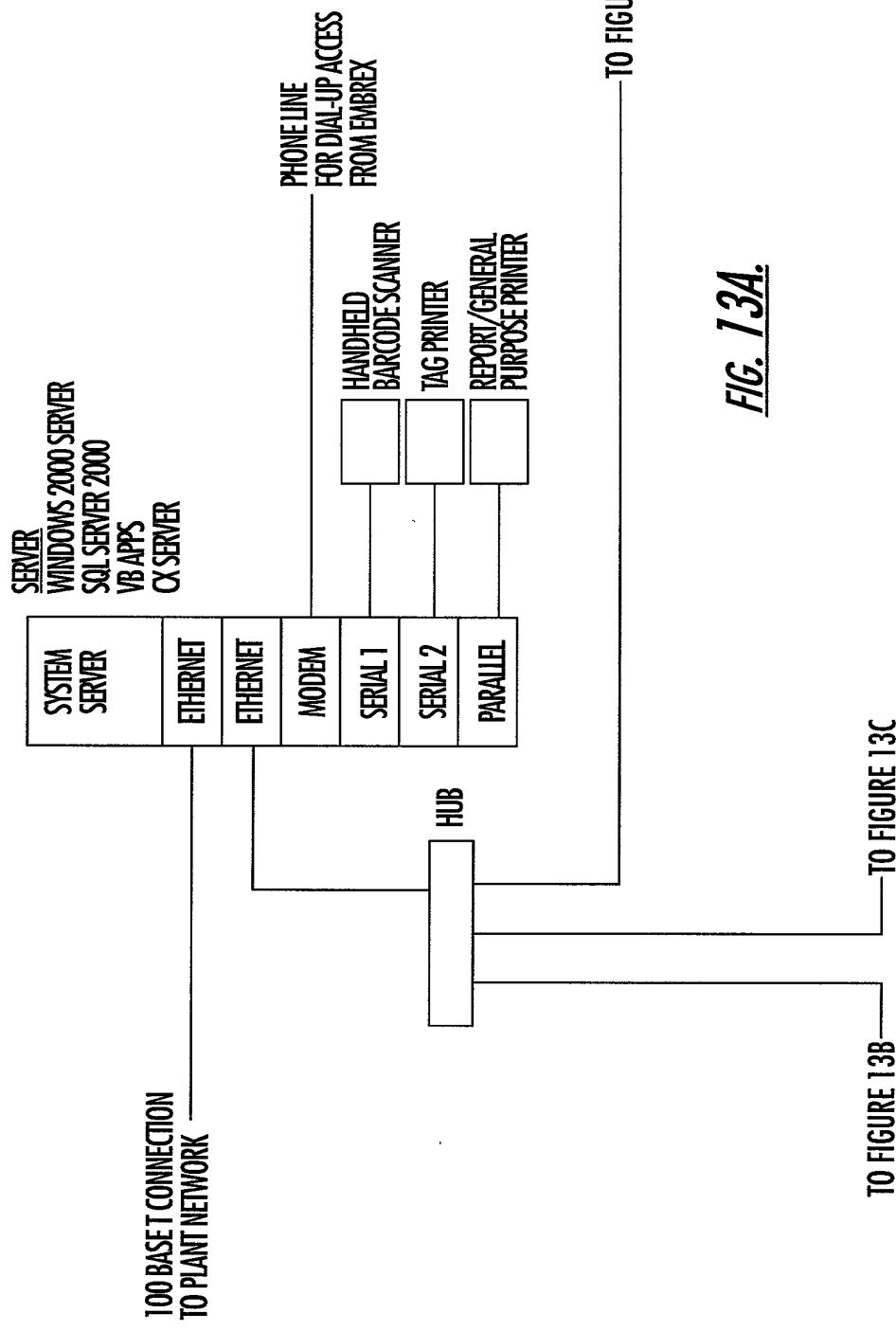
**FIG. 11.**



*FIG. 10B.*

PLANT-WIDE NETWORK





*FIG. 13A.*

10 FIGURE 13B ————— 10 FIGURE 13C

10 FIGURE 13D

## Sampling Module

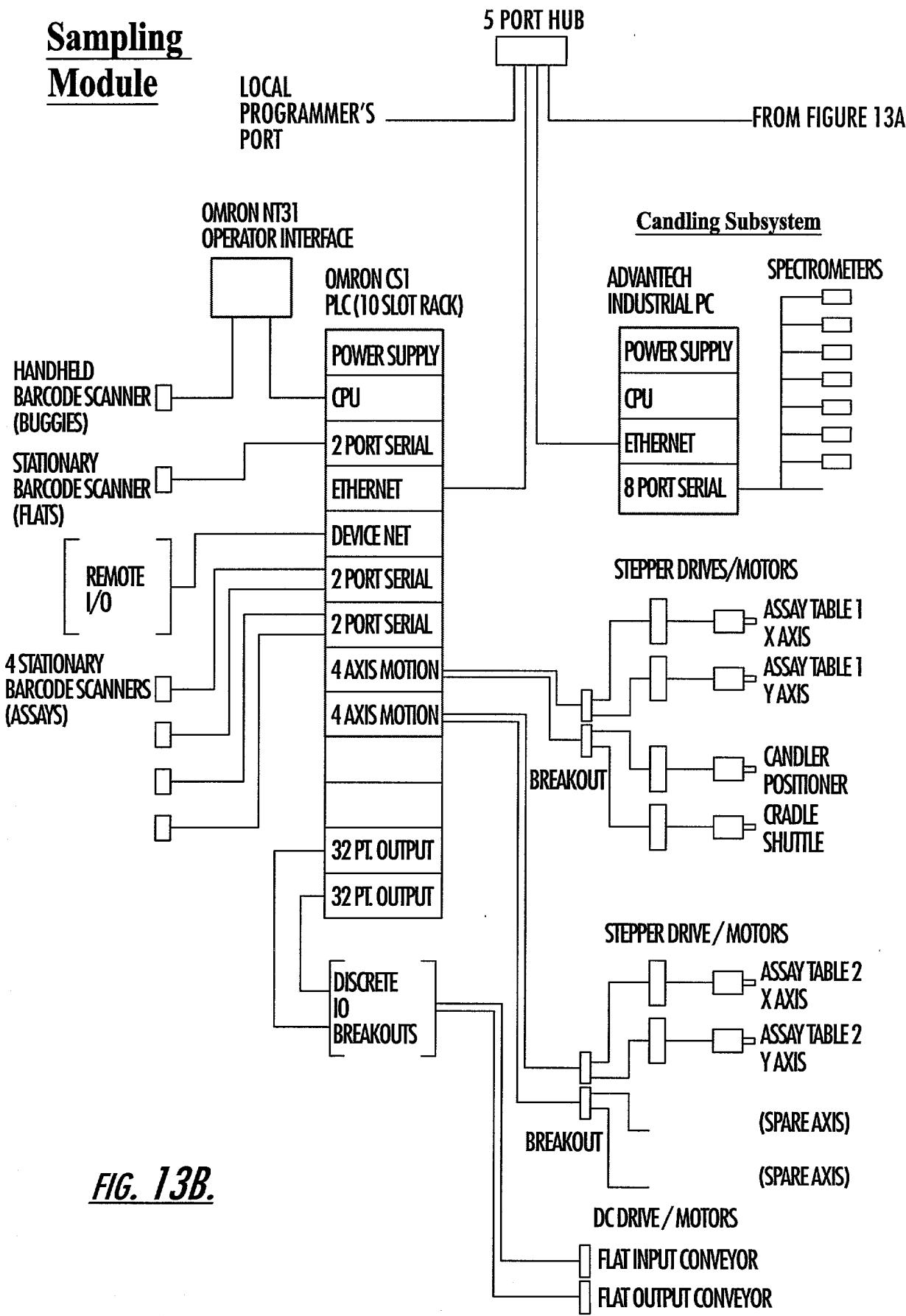


FIG. 13B.

## Assay Module

## FROM FIGURE 13A-

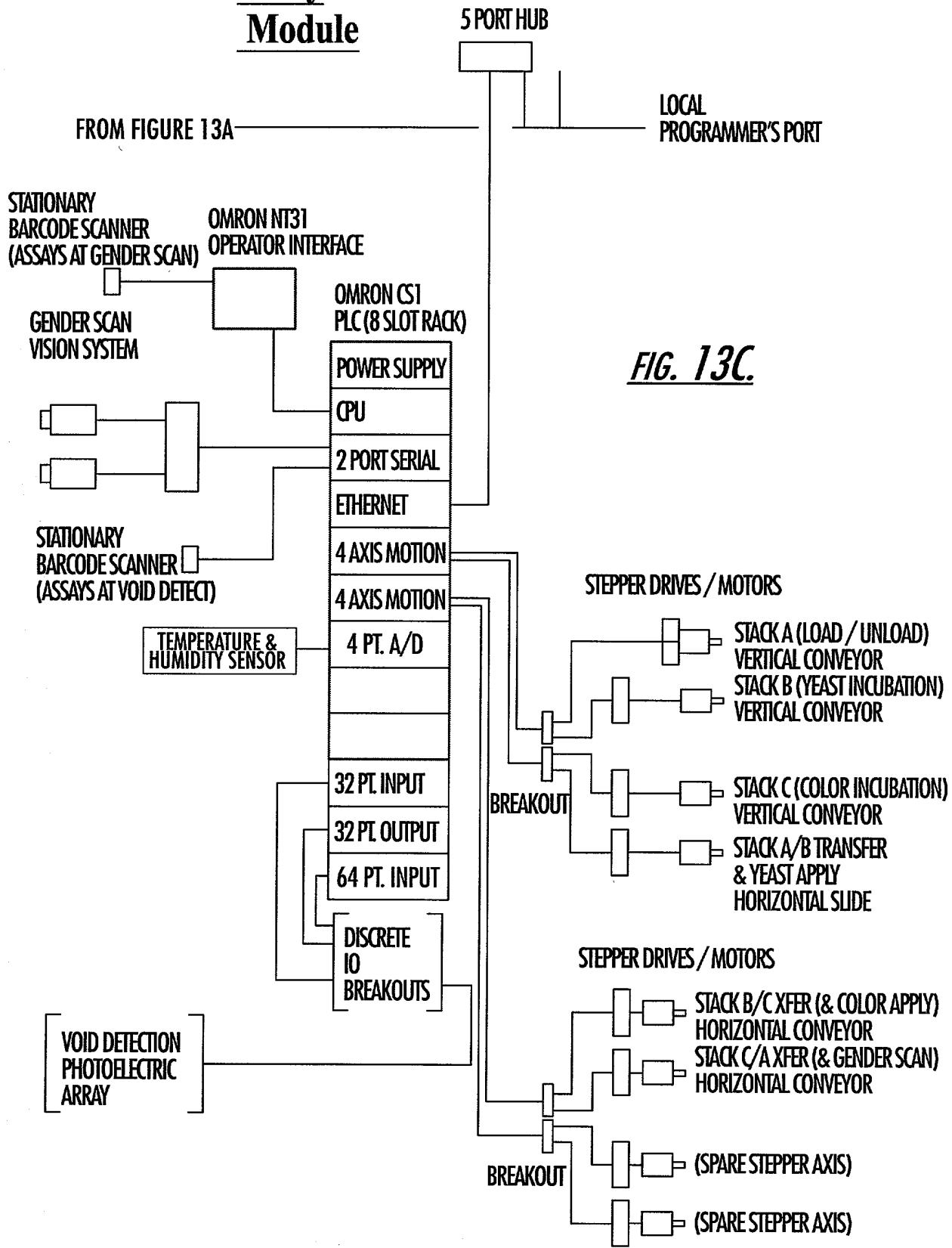
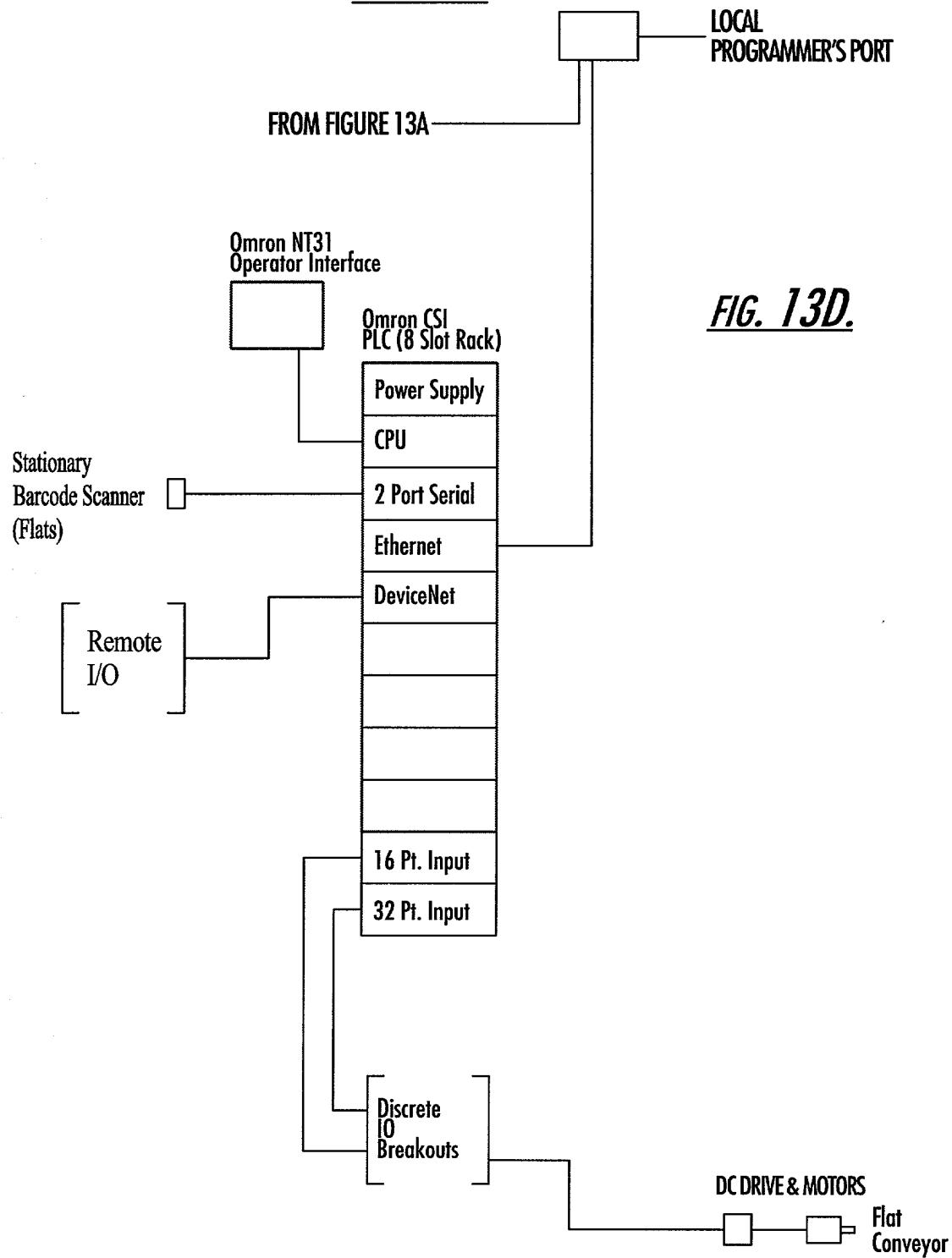


FIG. 13C.

## Transfer Module



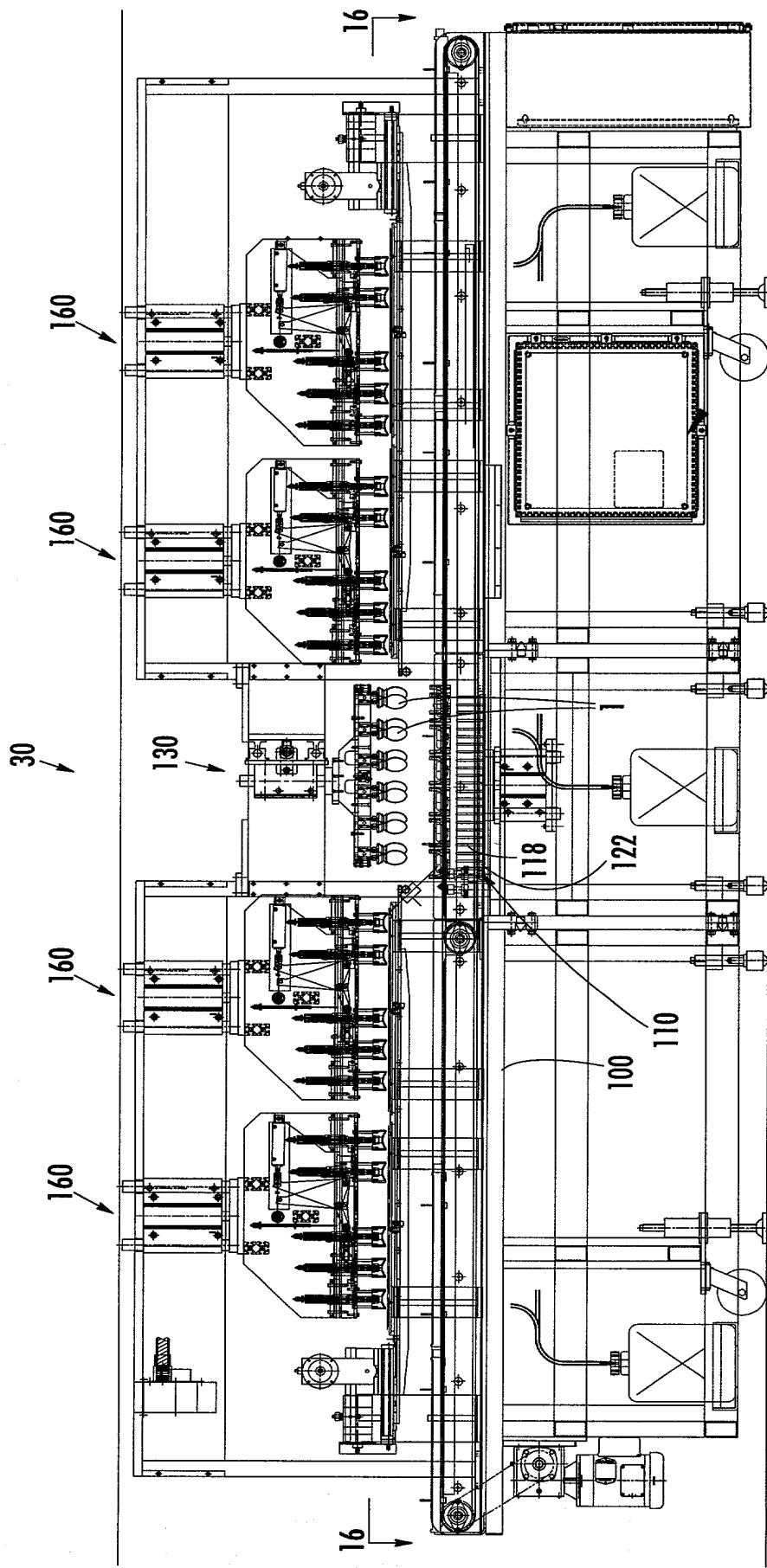


FIG. 14.

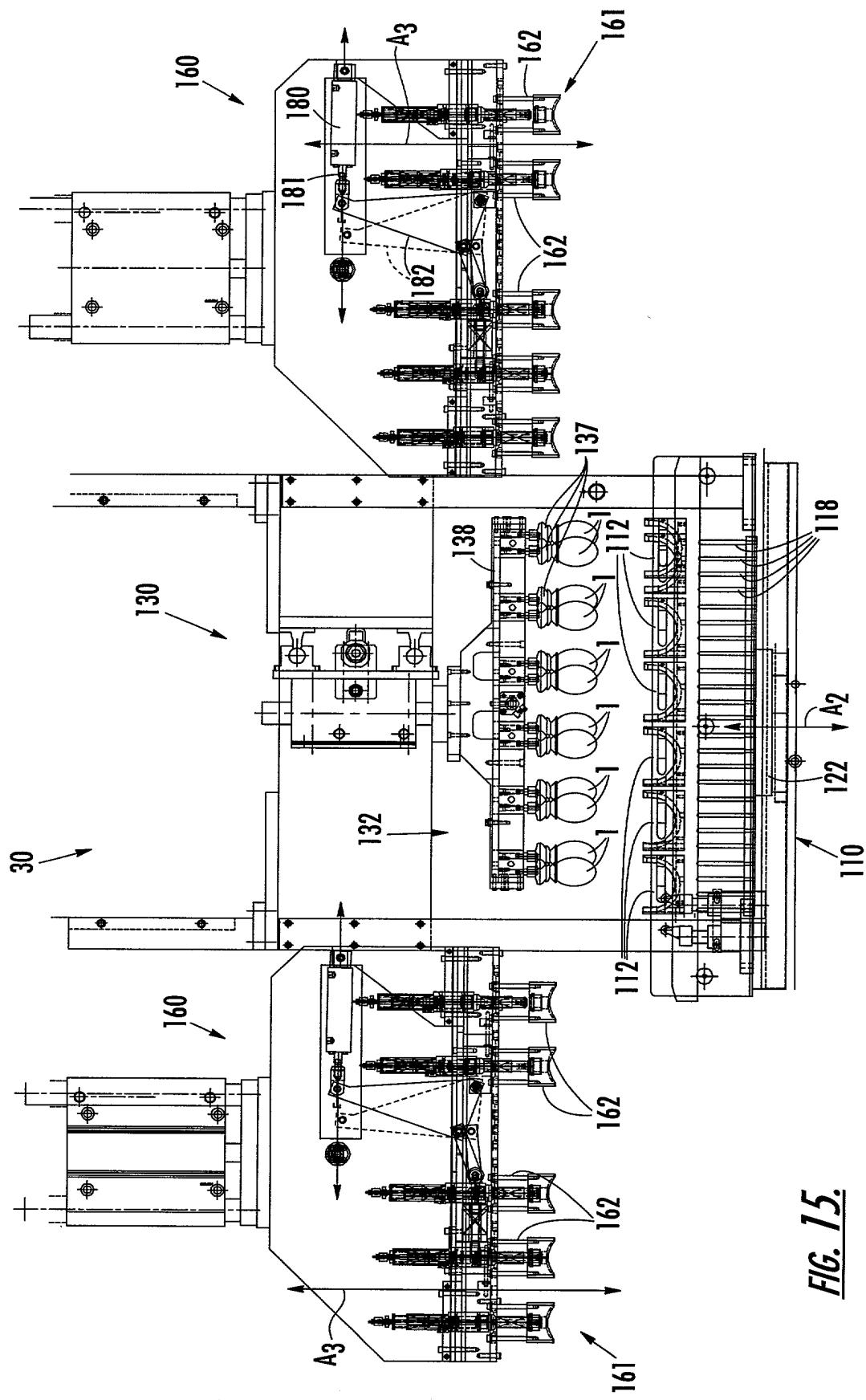


FIG. 15.

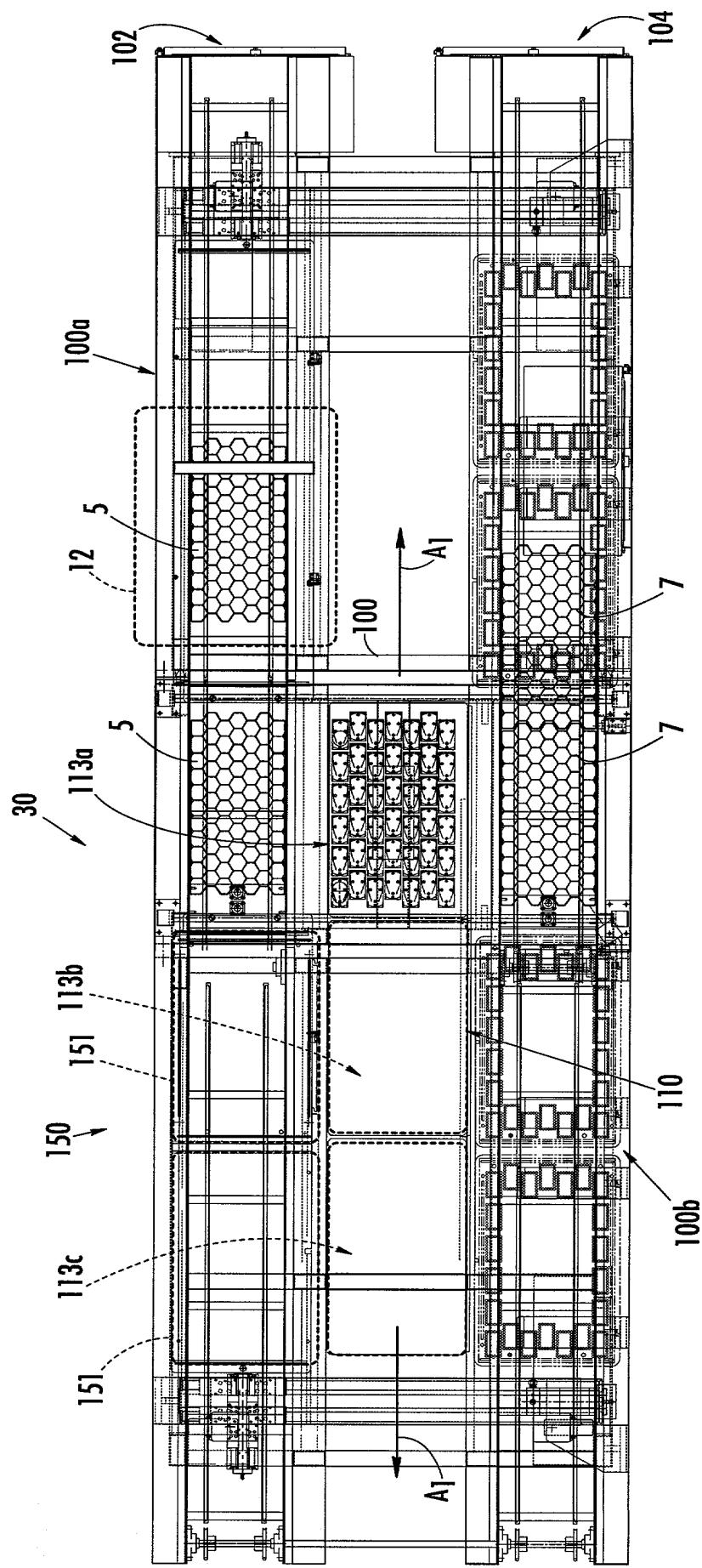


FIG. 16.

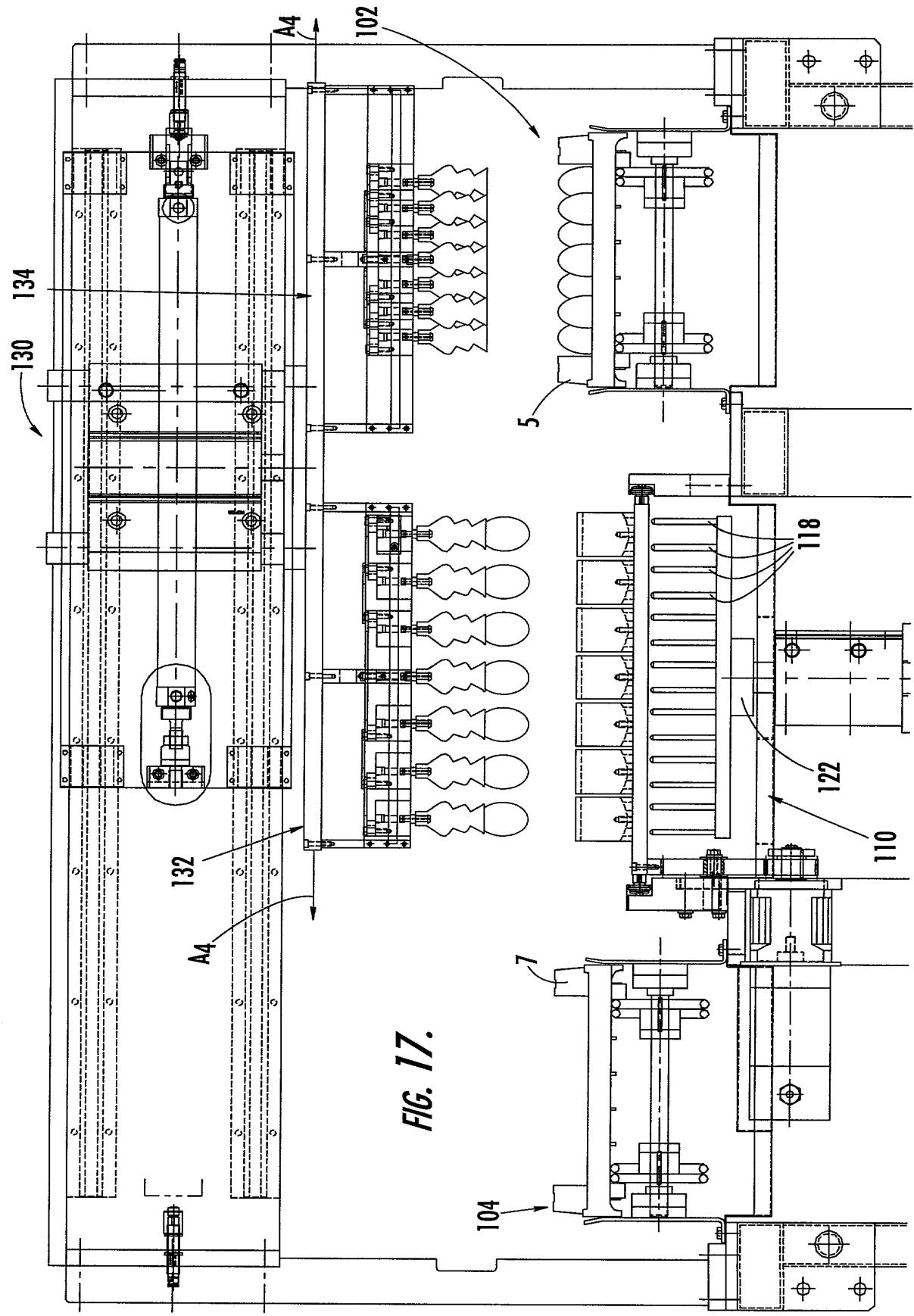
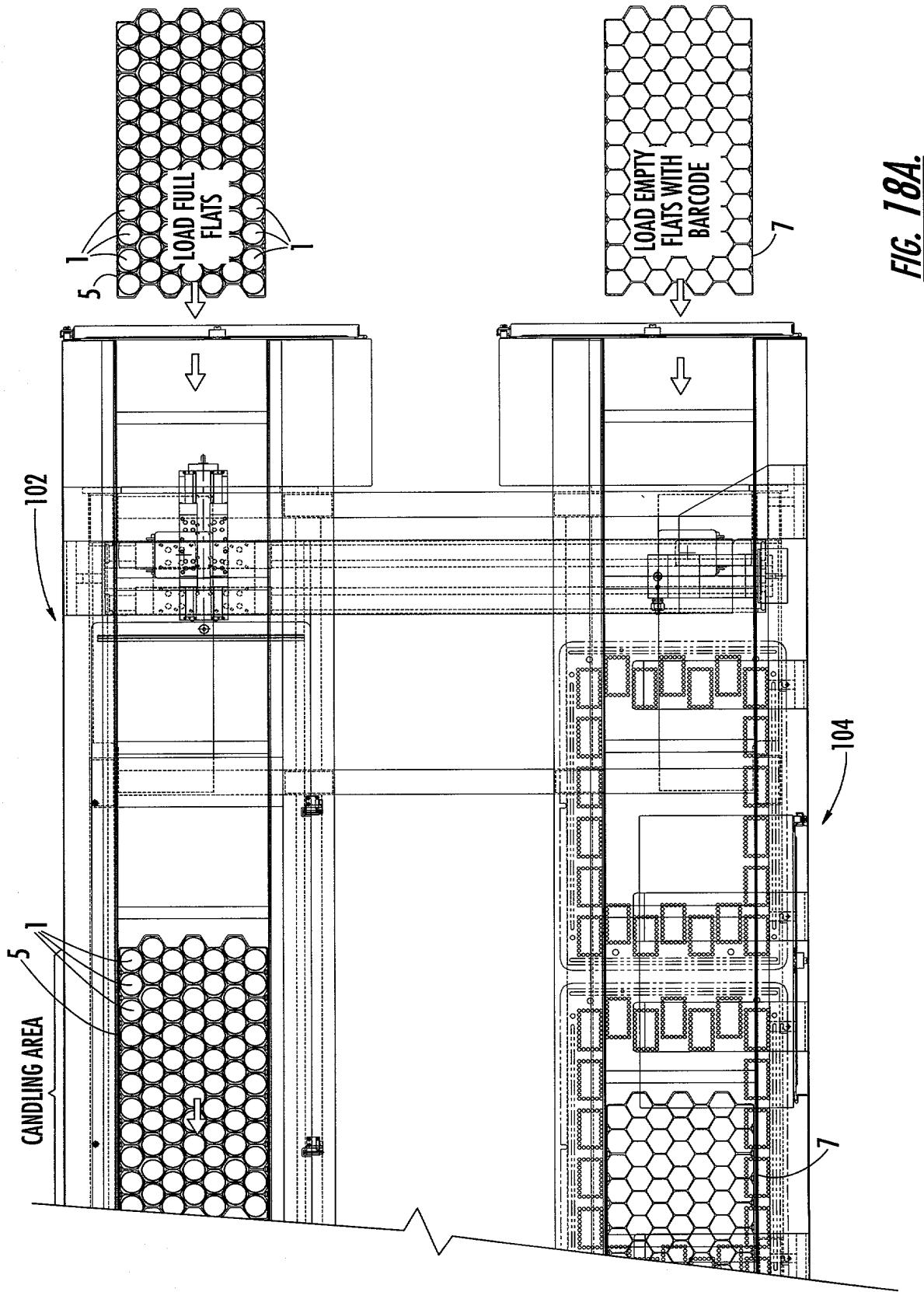
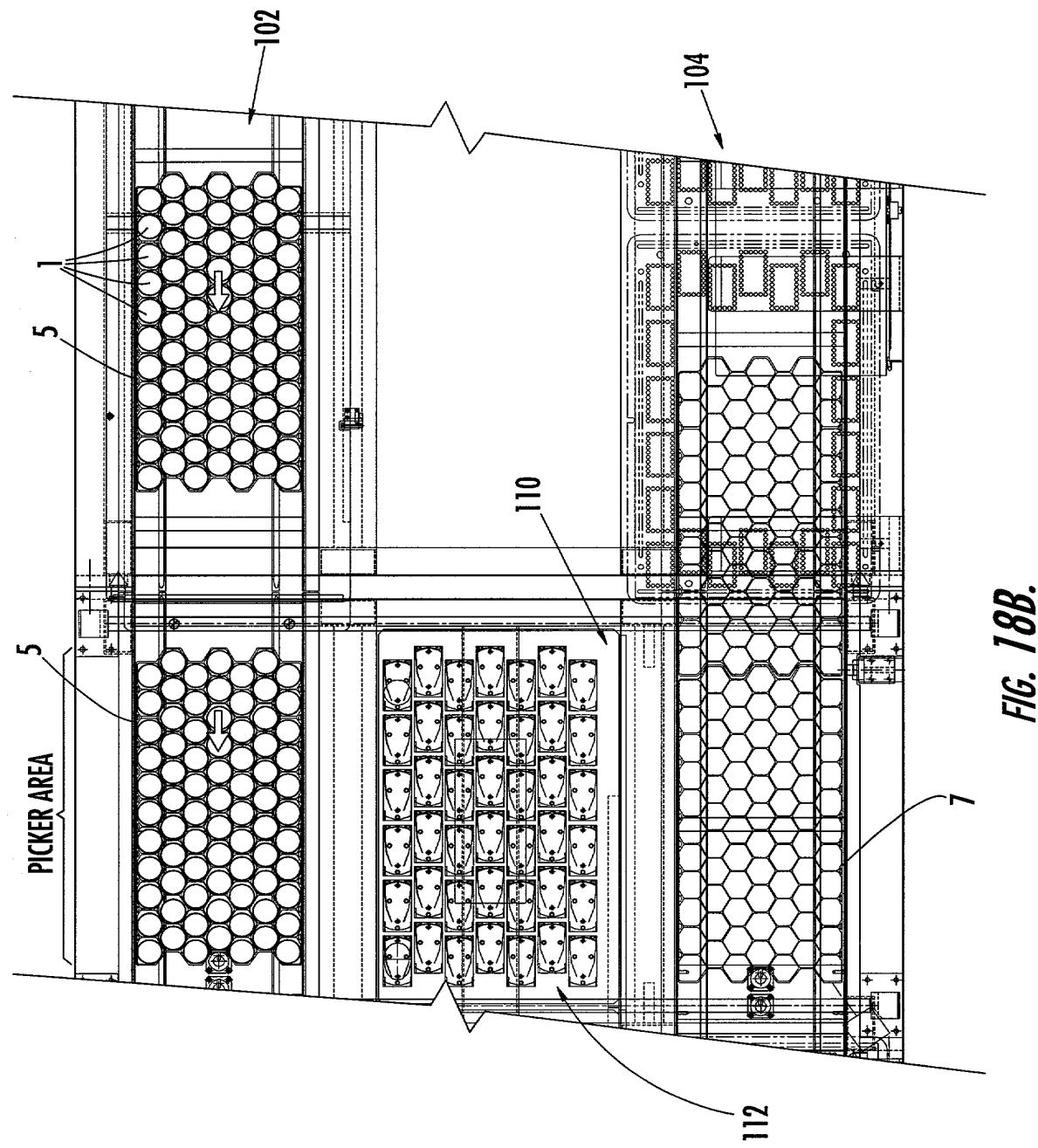


FIG. 17.





**FIG. 18B.**

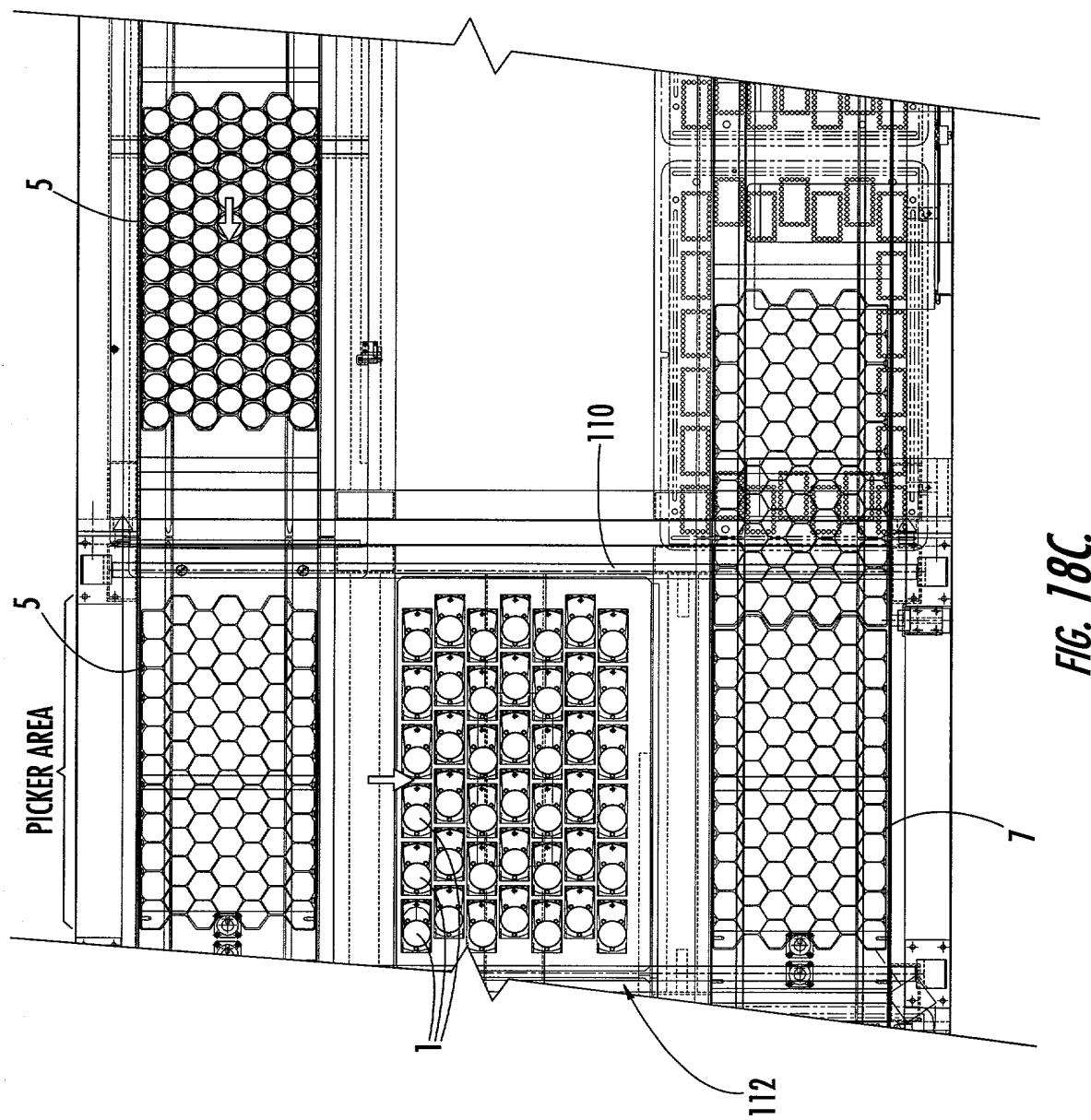


FIG. 18C.

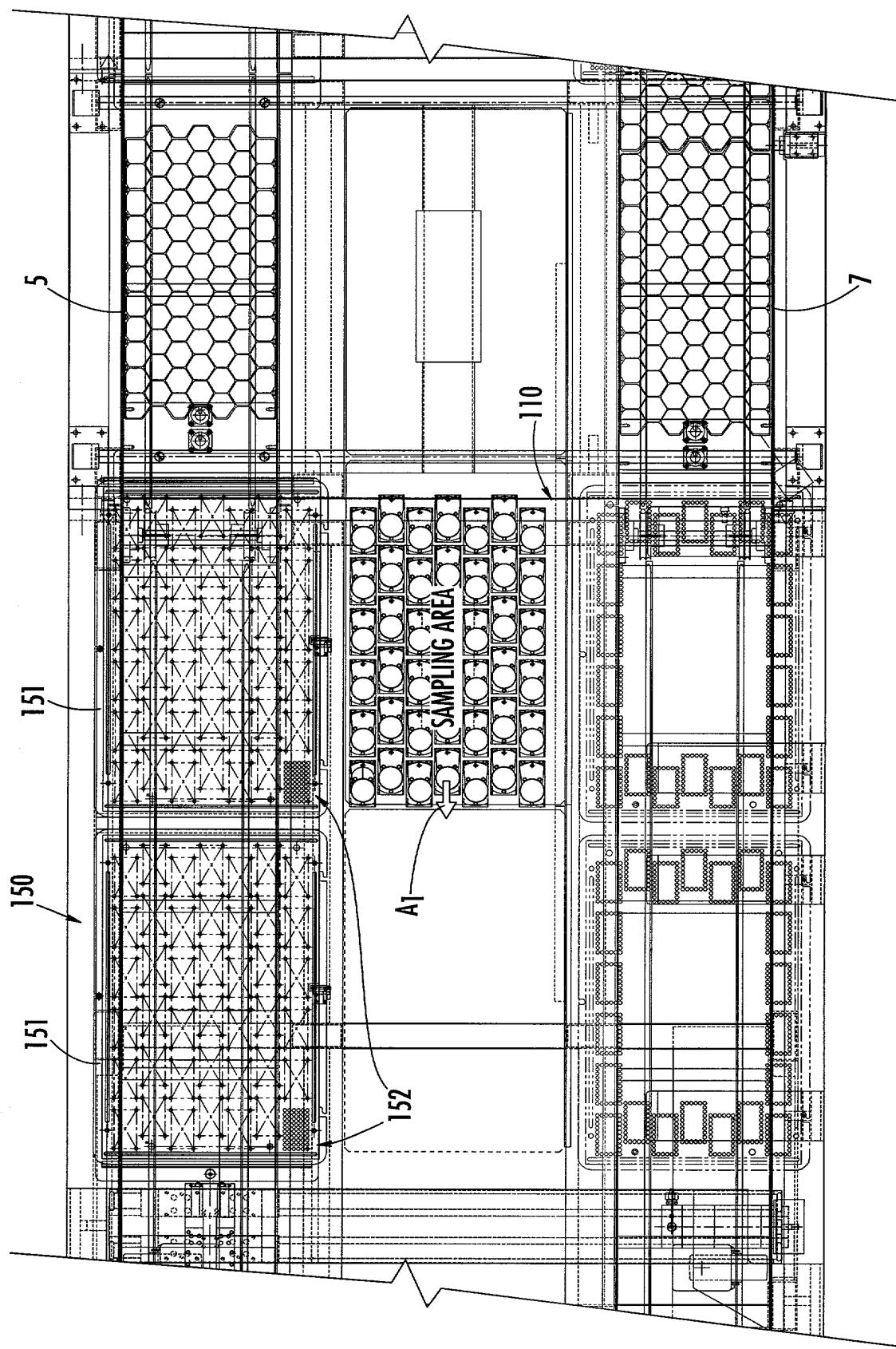


FIG. 18D.

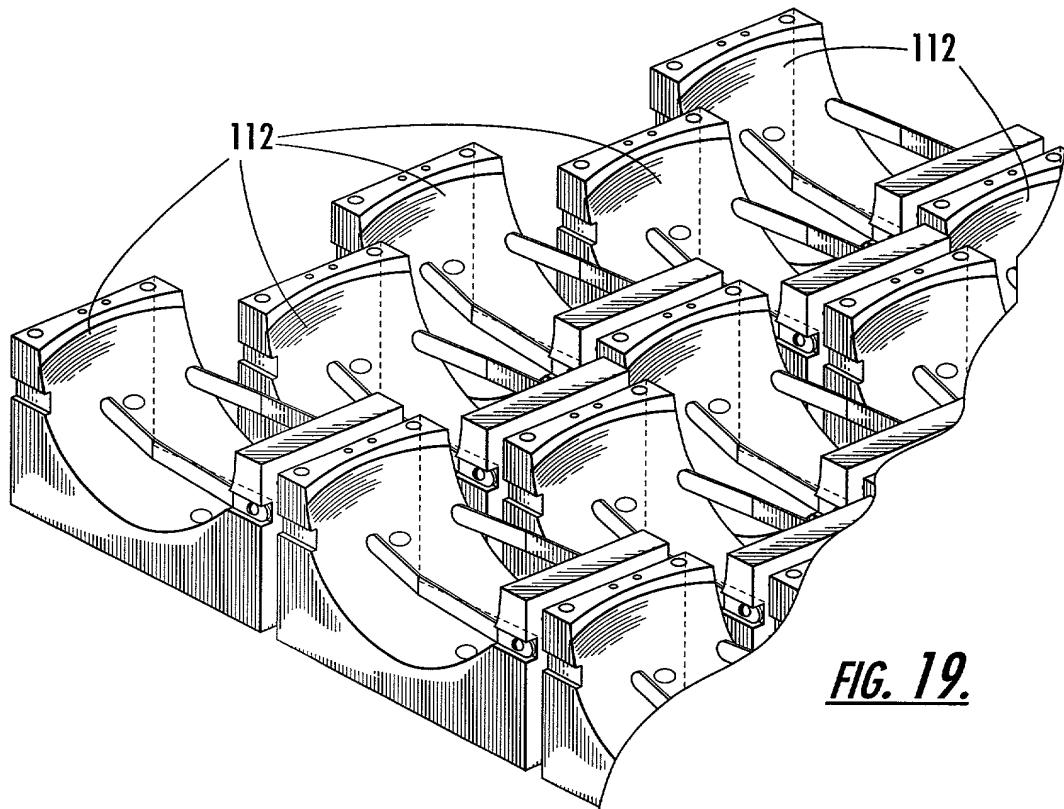


FIG. 19.

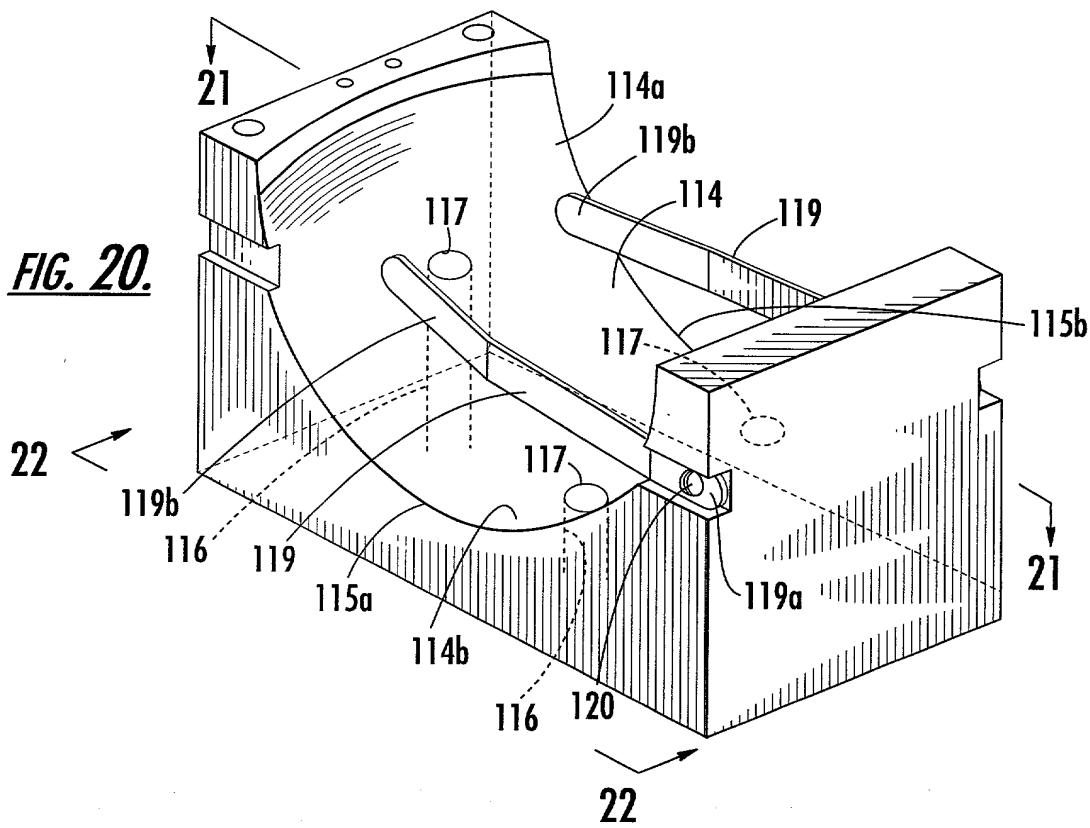
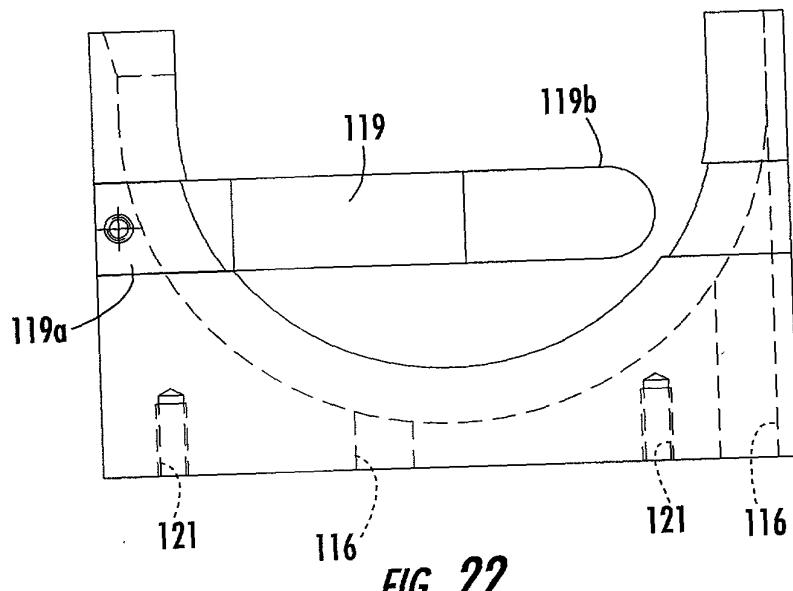
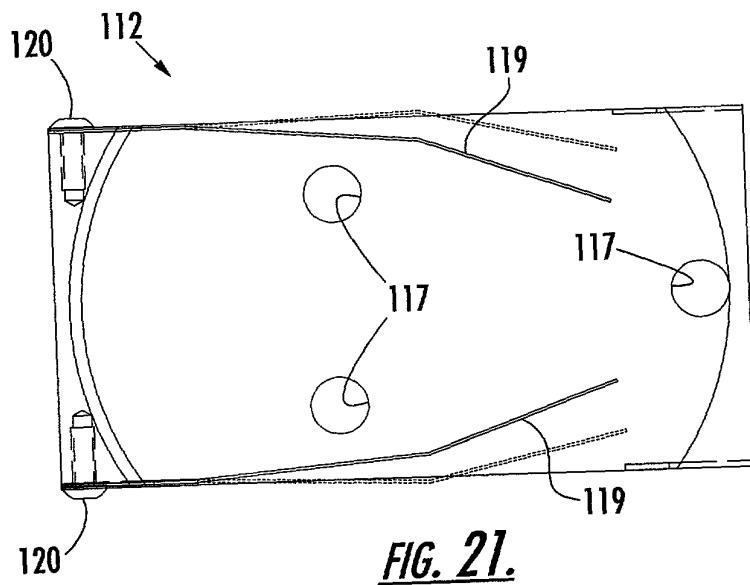
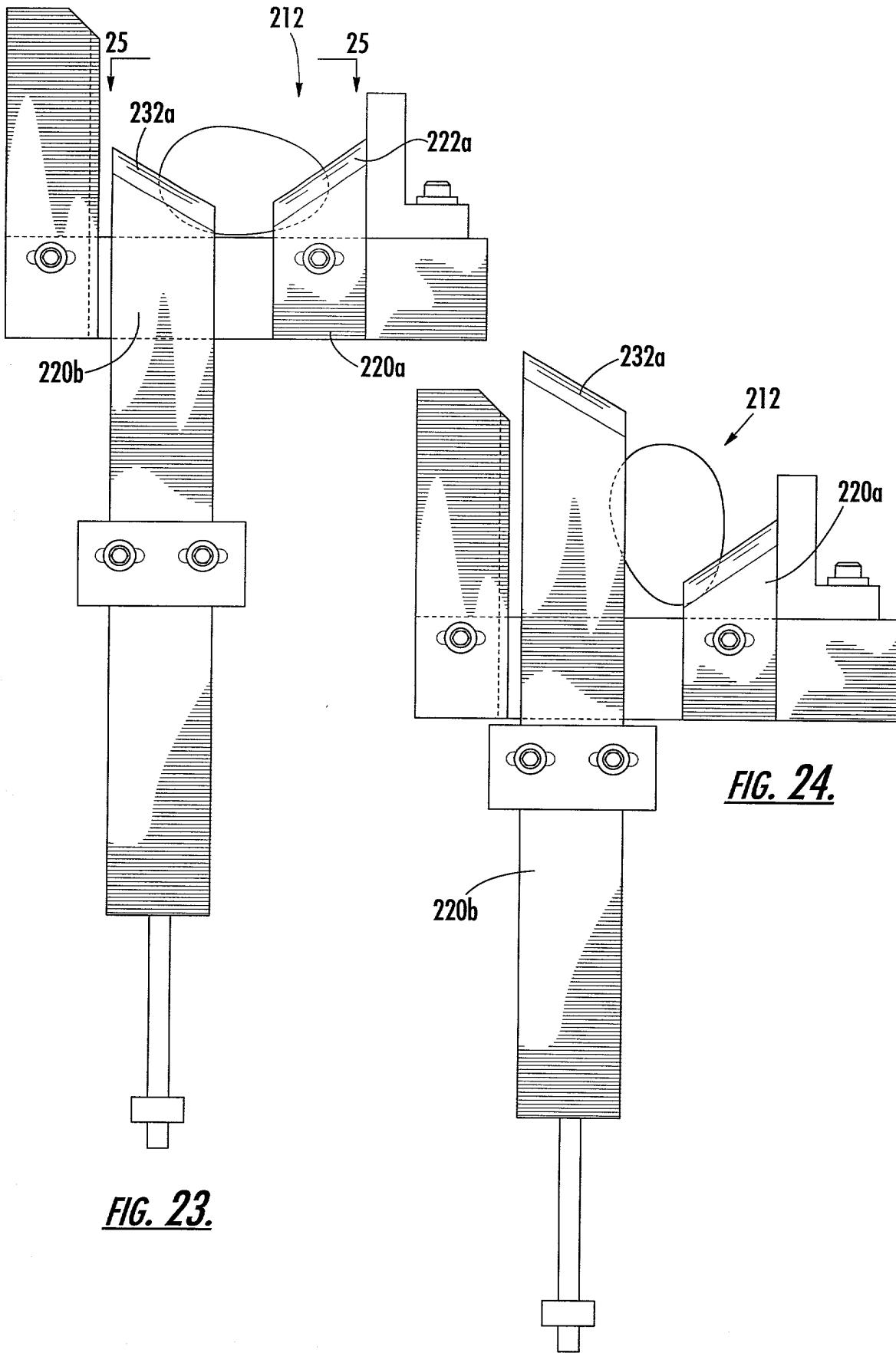
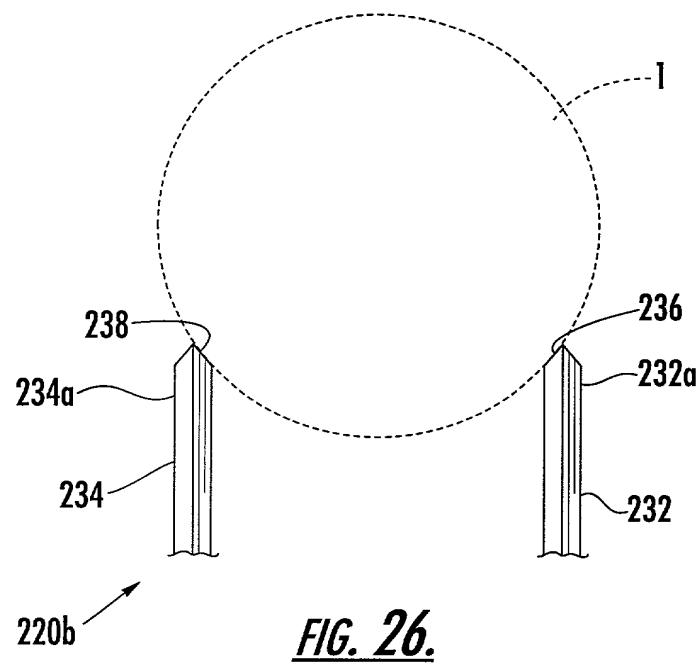
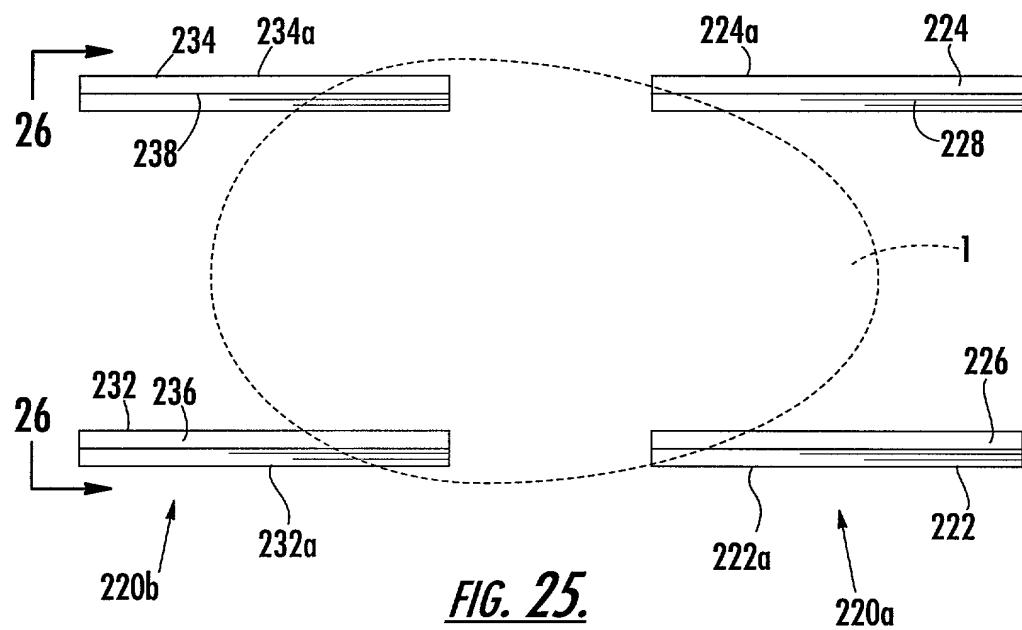


FIG. 20.







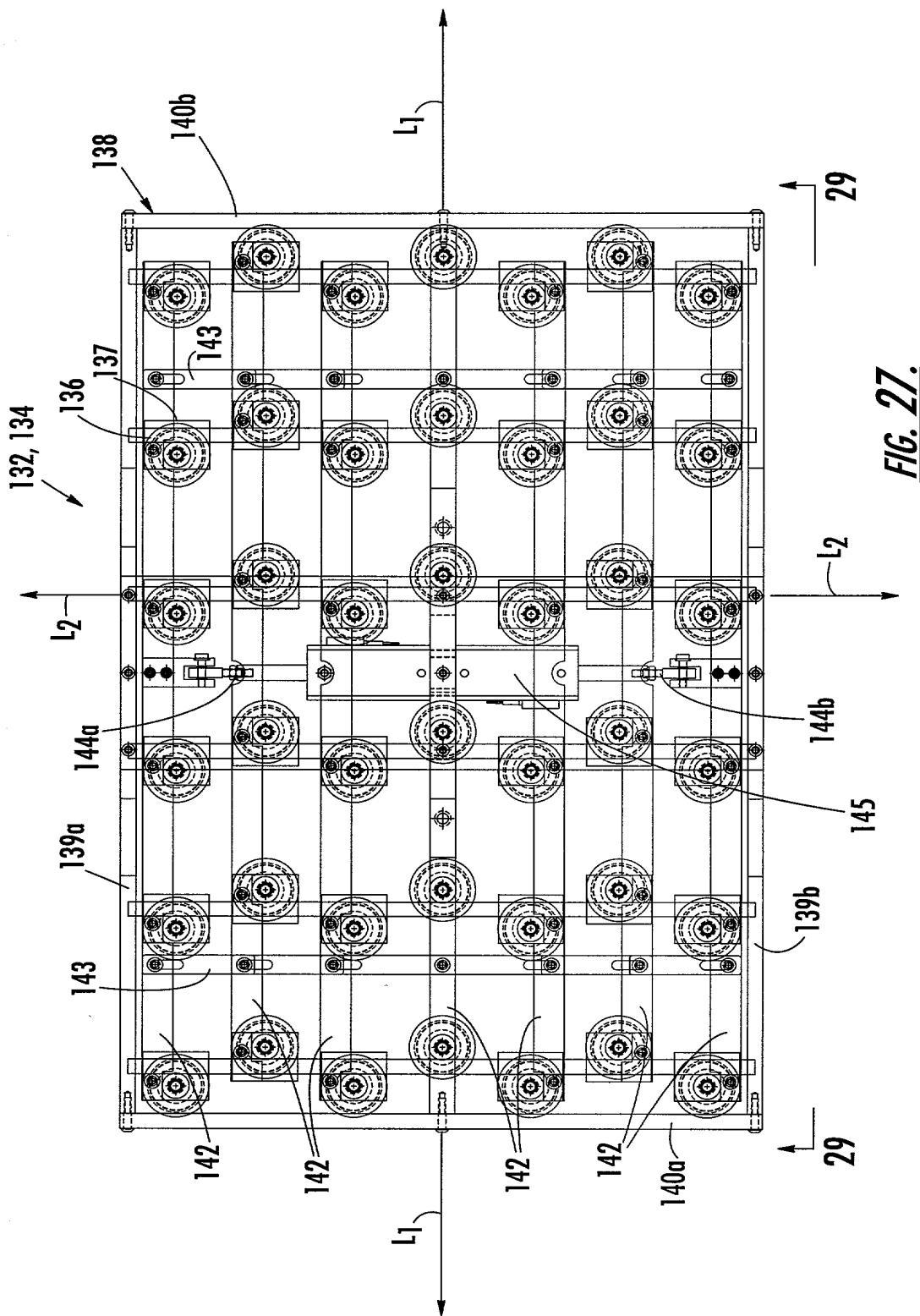


FIG. 27.

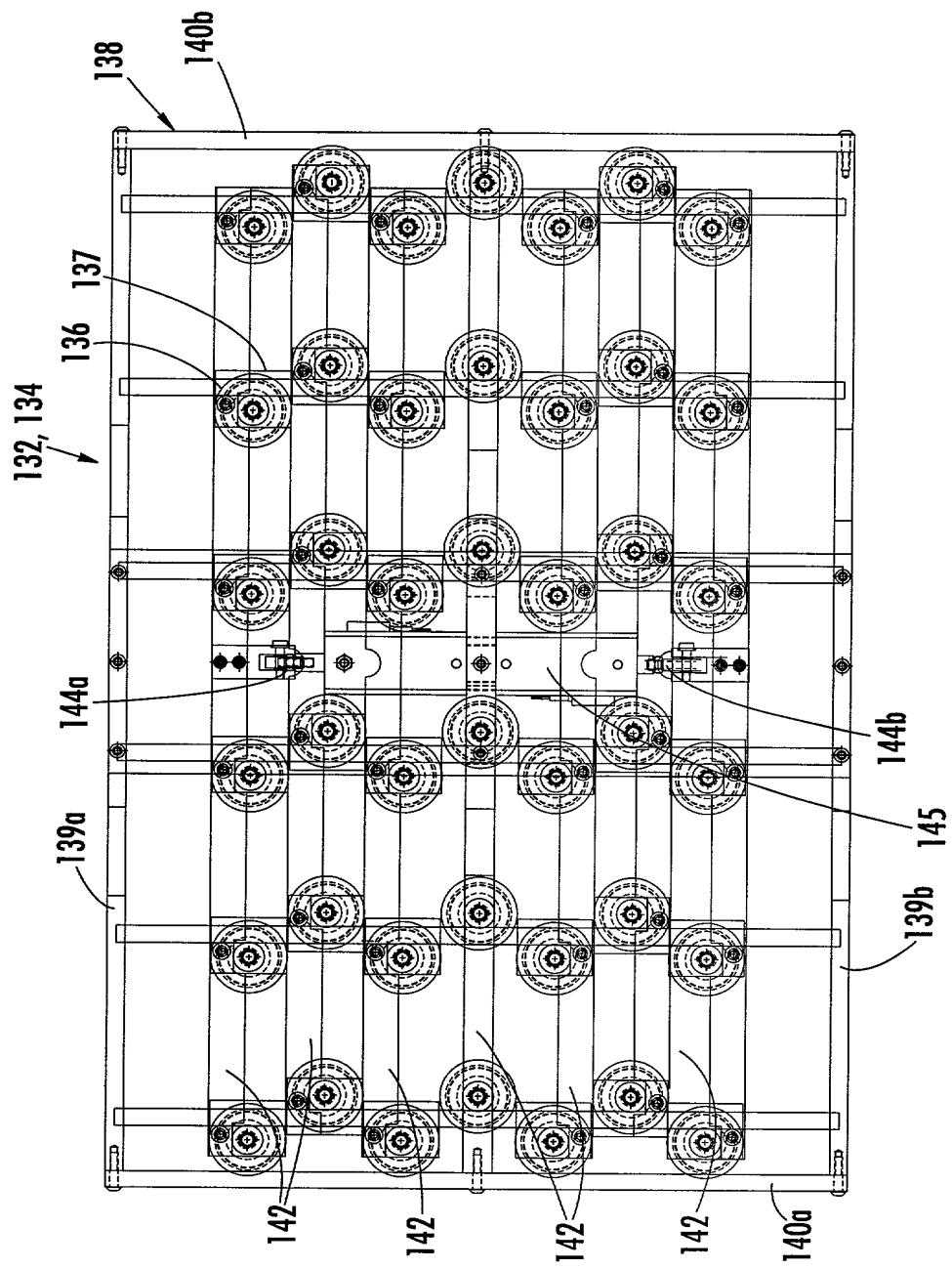


FIG. 28.

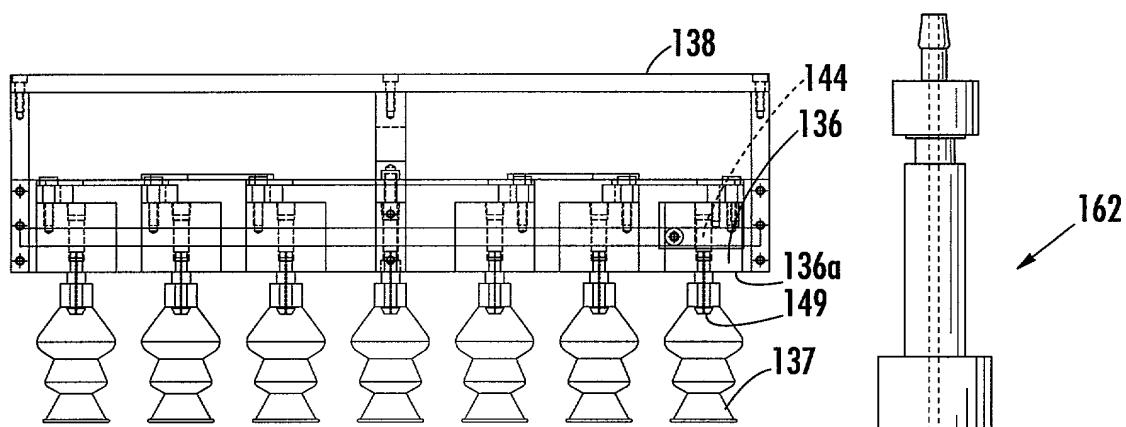


FIG. 29.

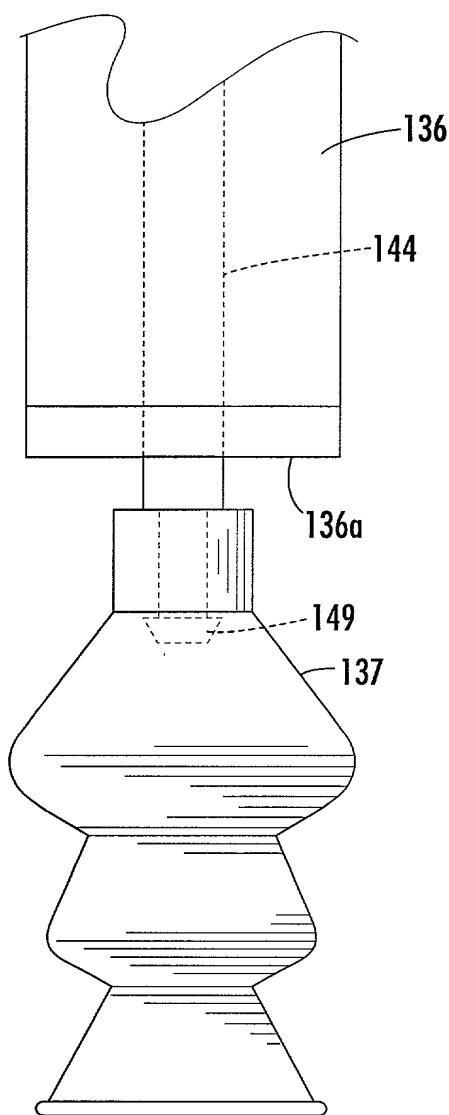


FIG. 30.

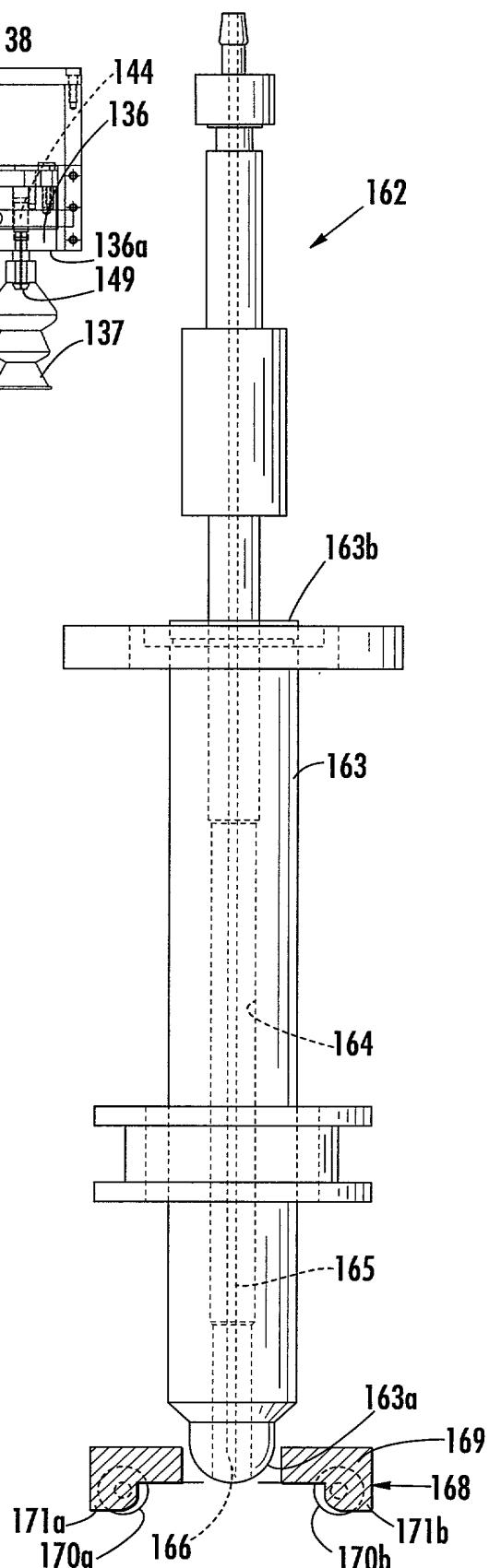


FIG. 31.

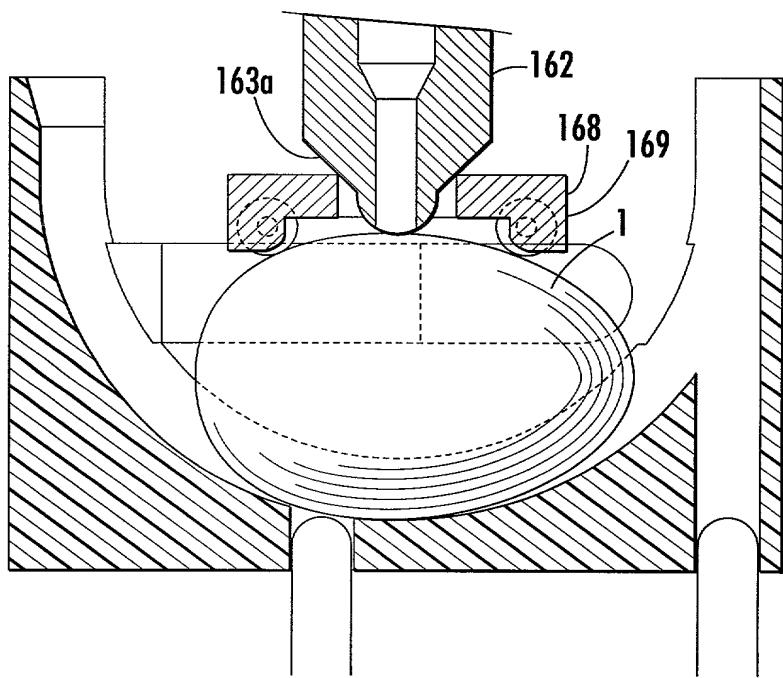


FIG. 32.

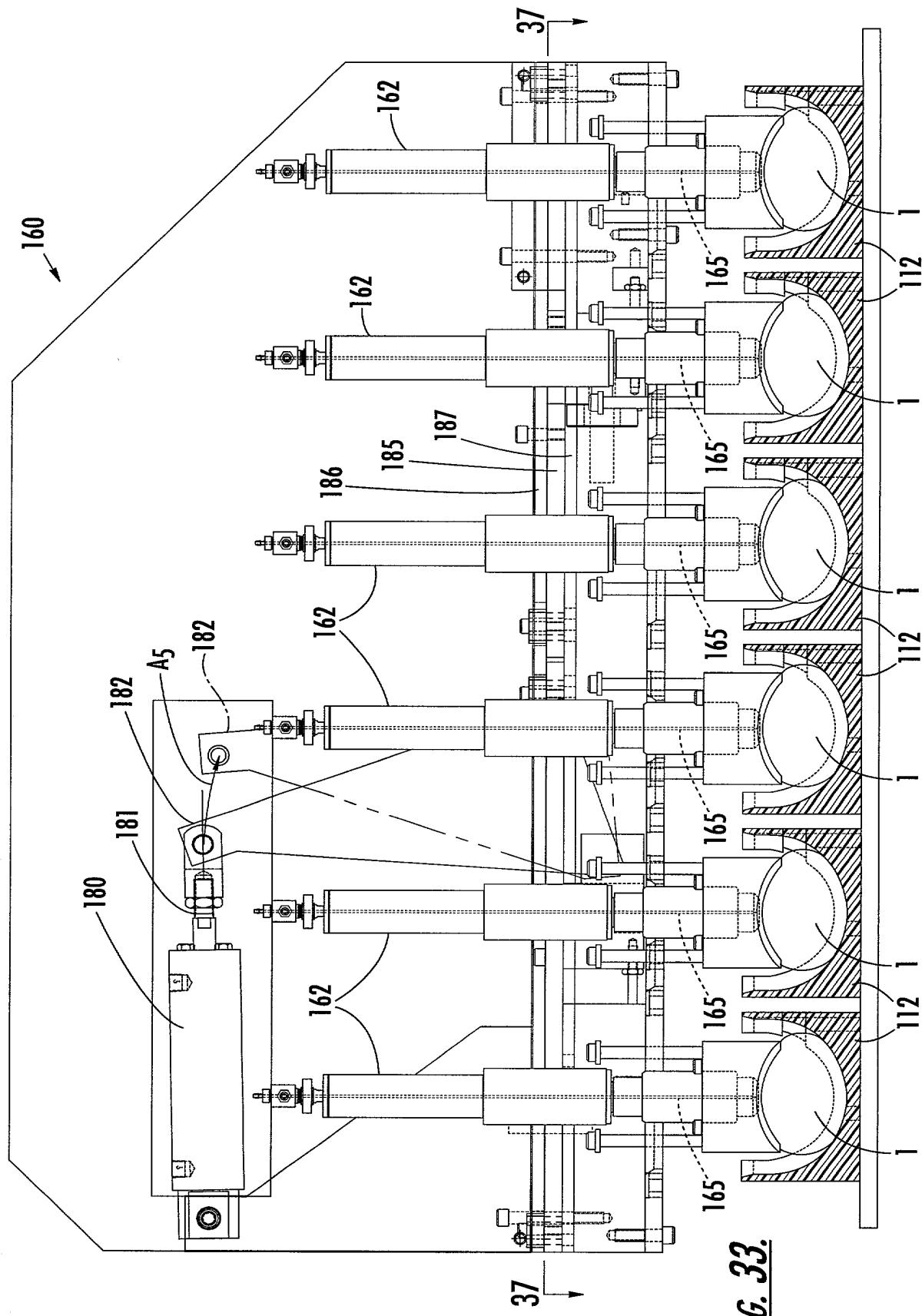
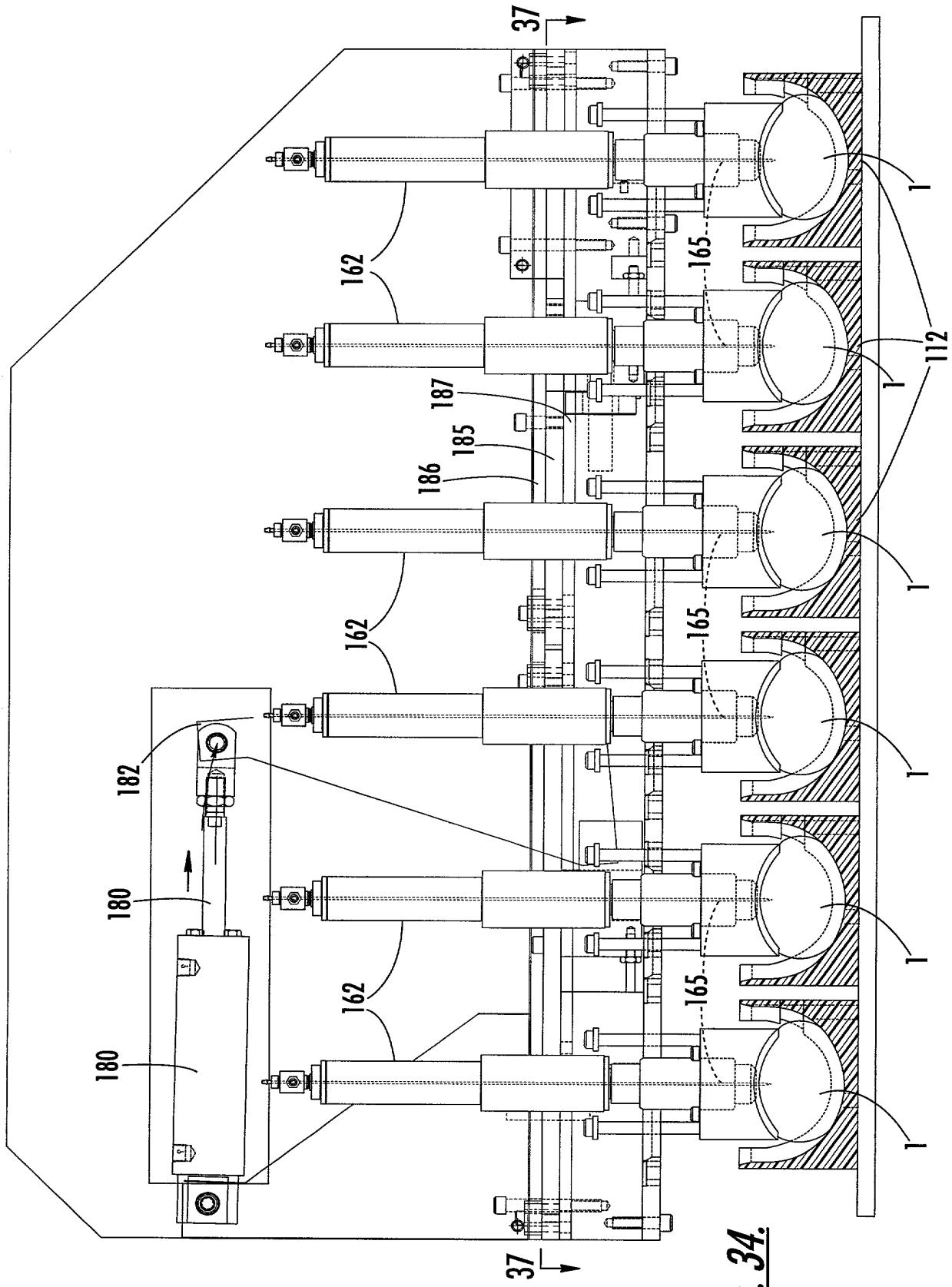


FIG. 33.



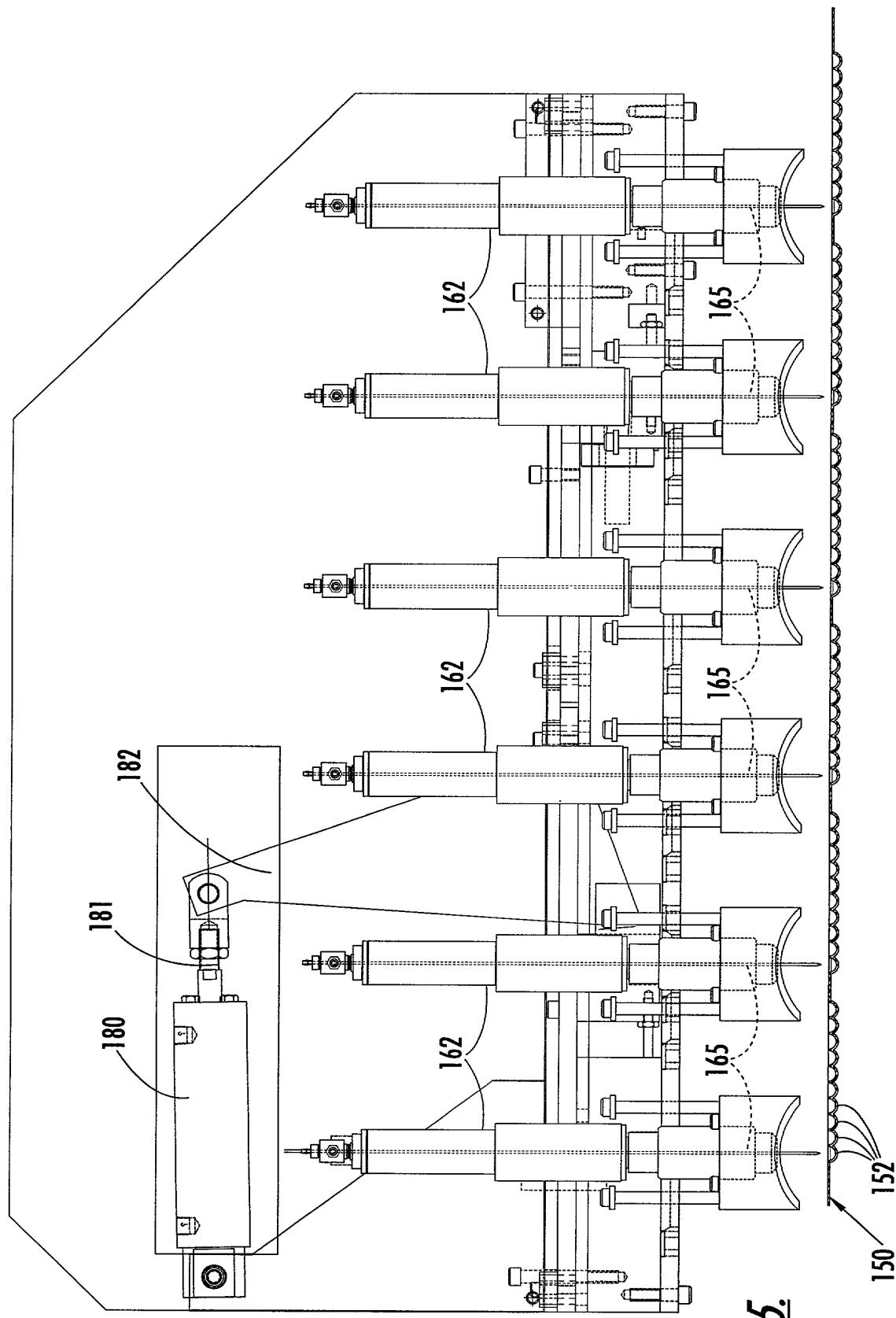
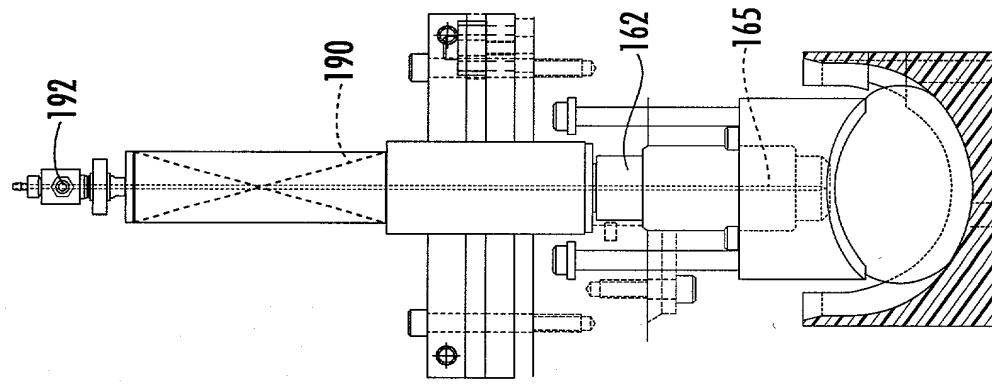
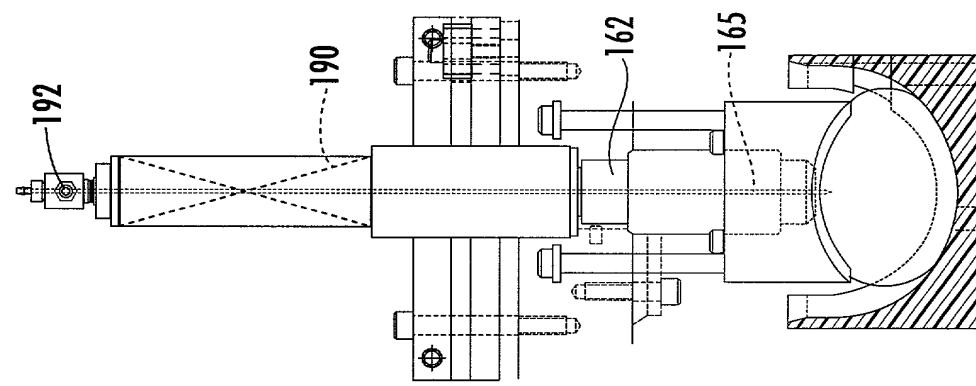
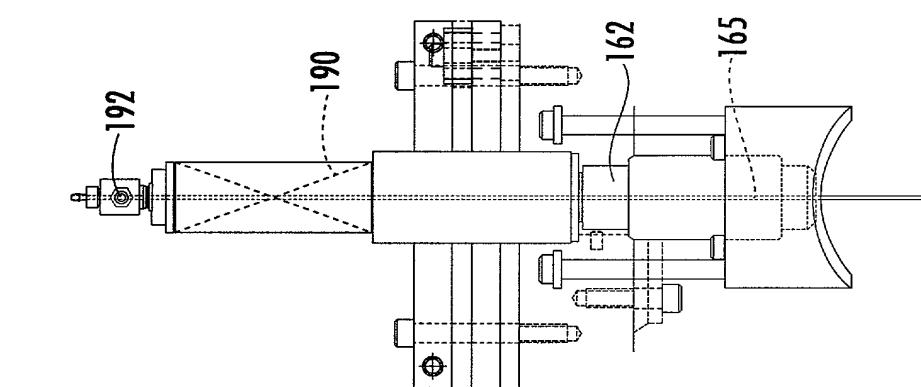
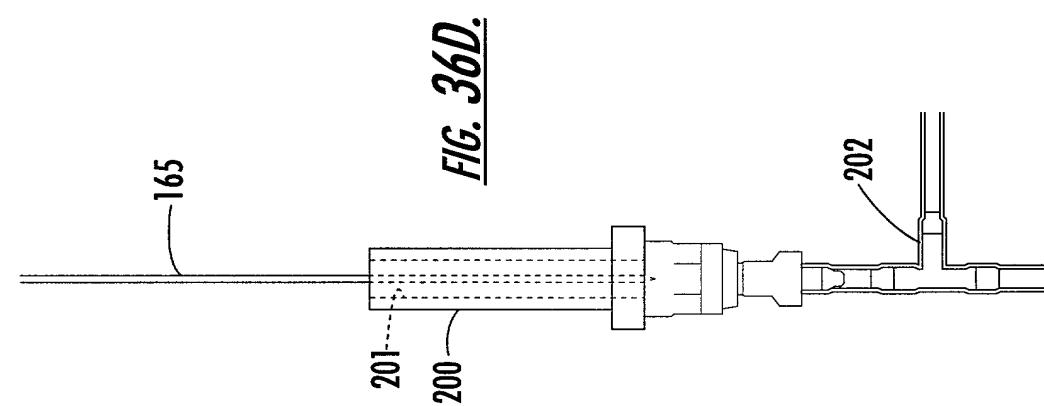


FIG. 35.



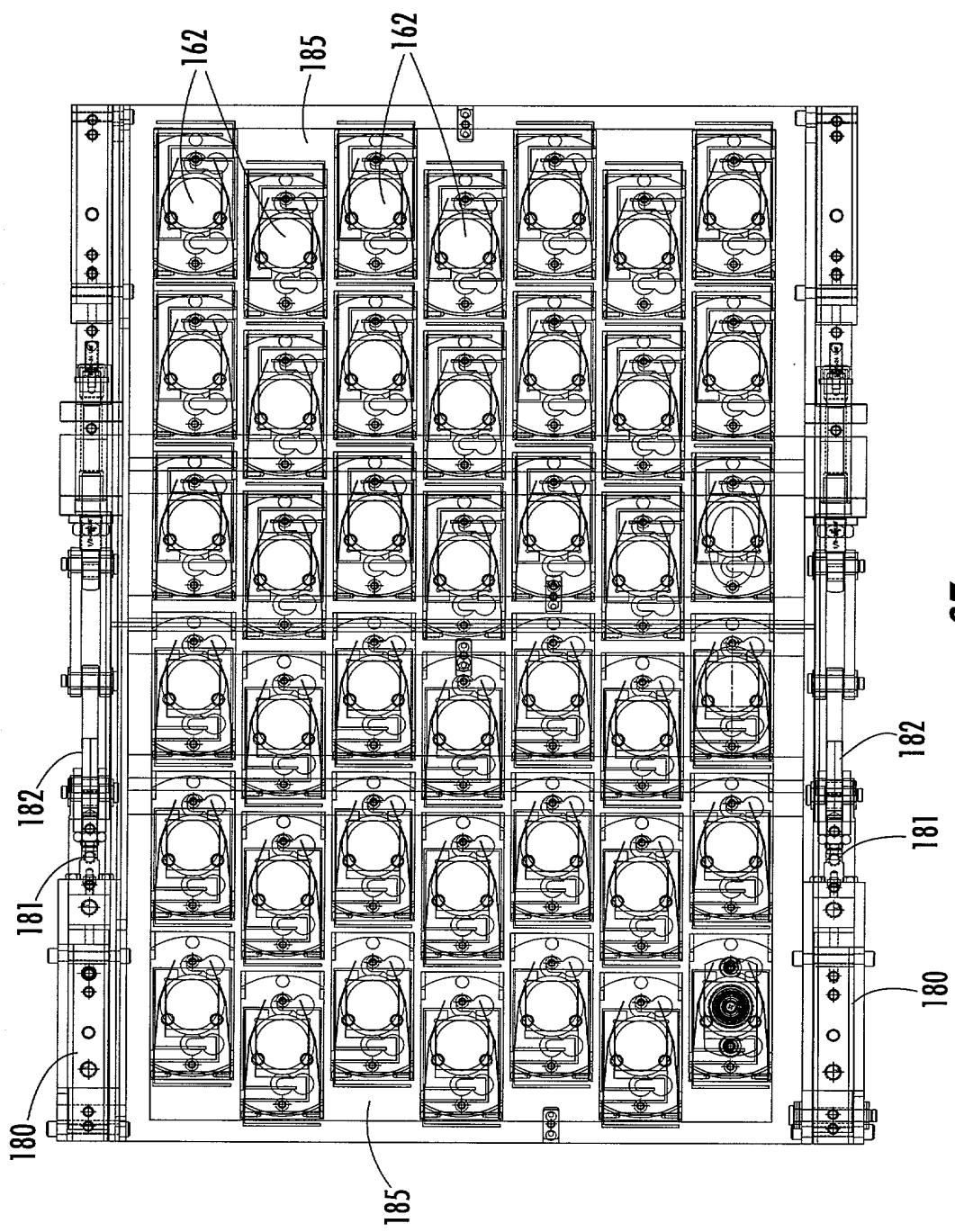


FIG. 37.

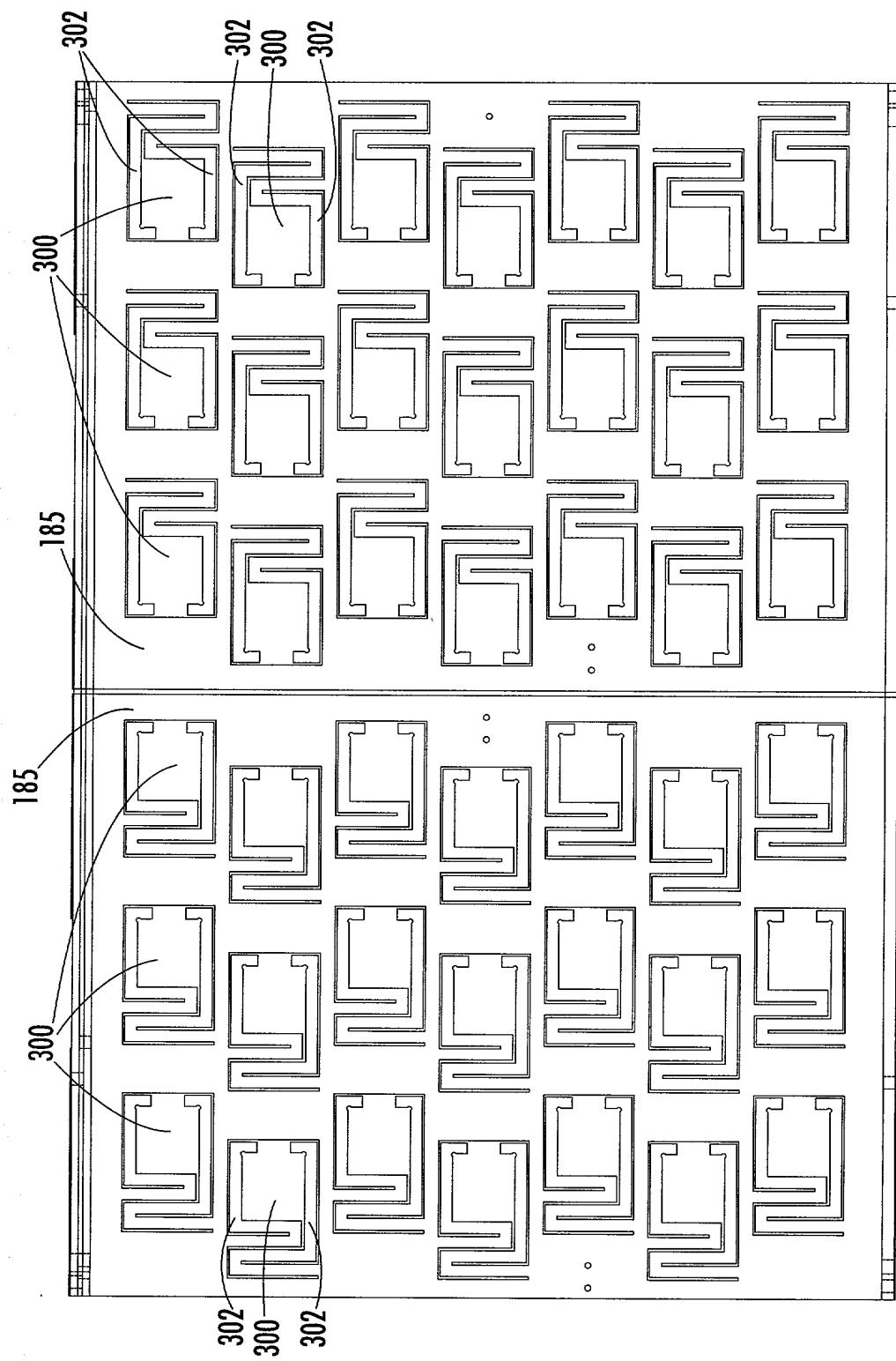
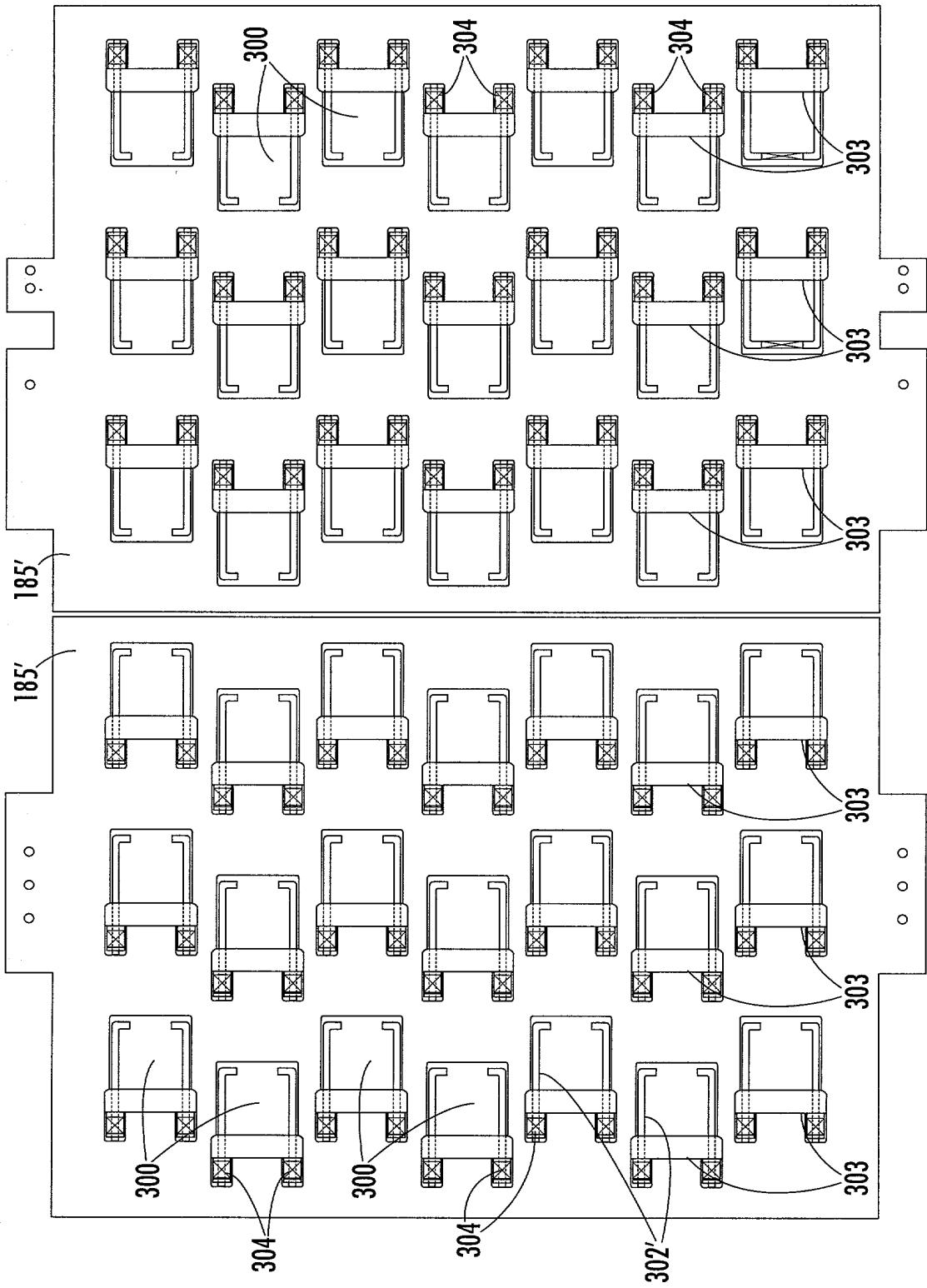


FIG. 38B.



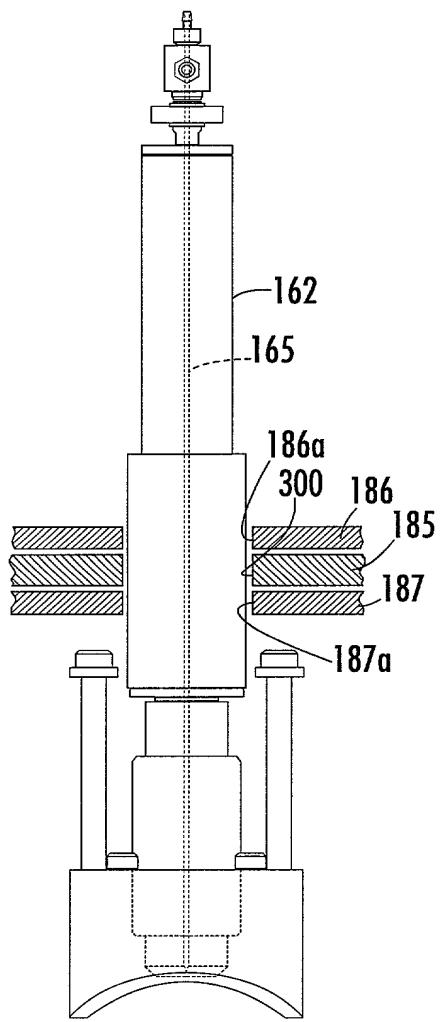


FIG. 39A.

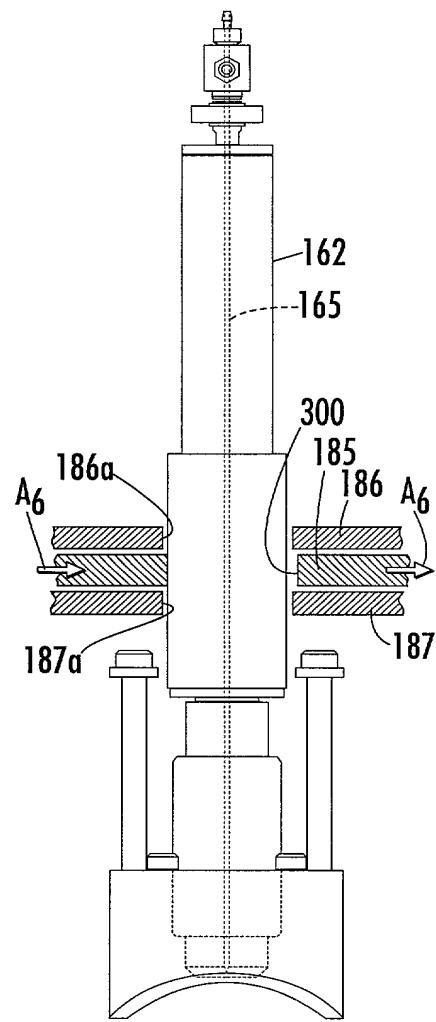


FIG. 39B.

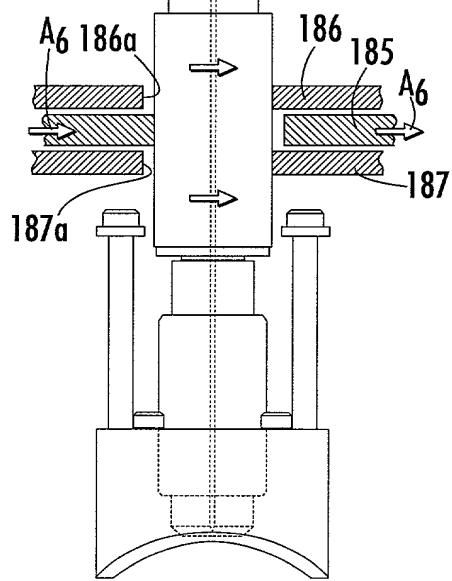


FIG. 39C.

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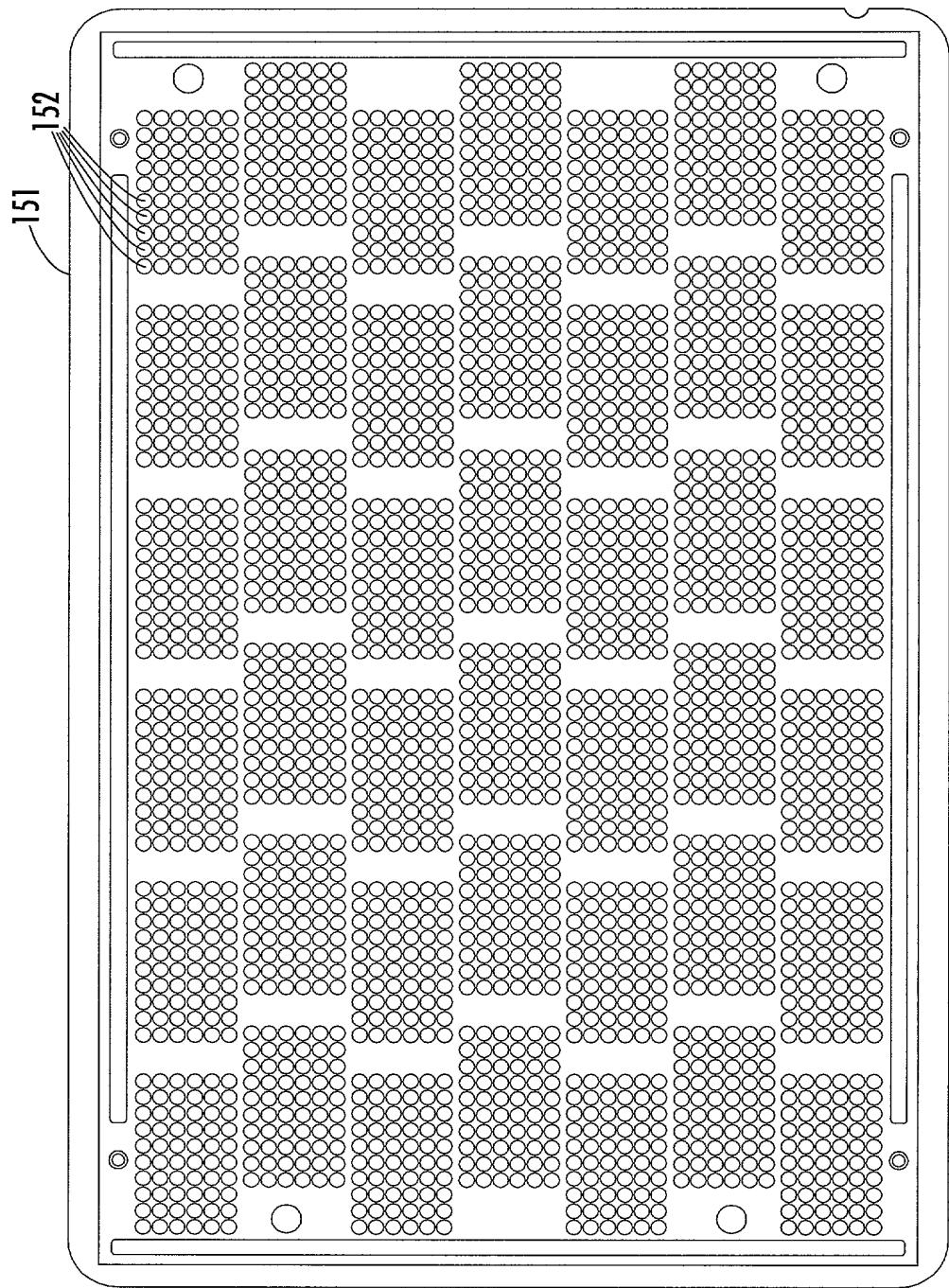


FIG. 40.

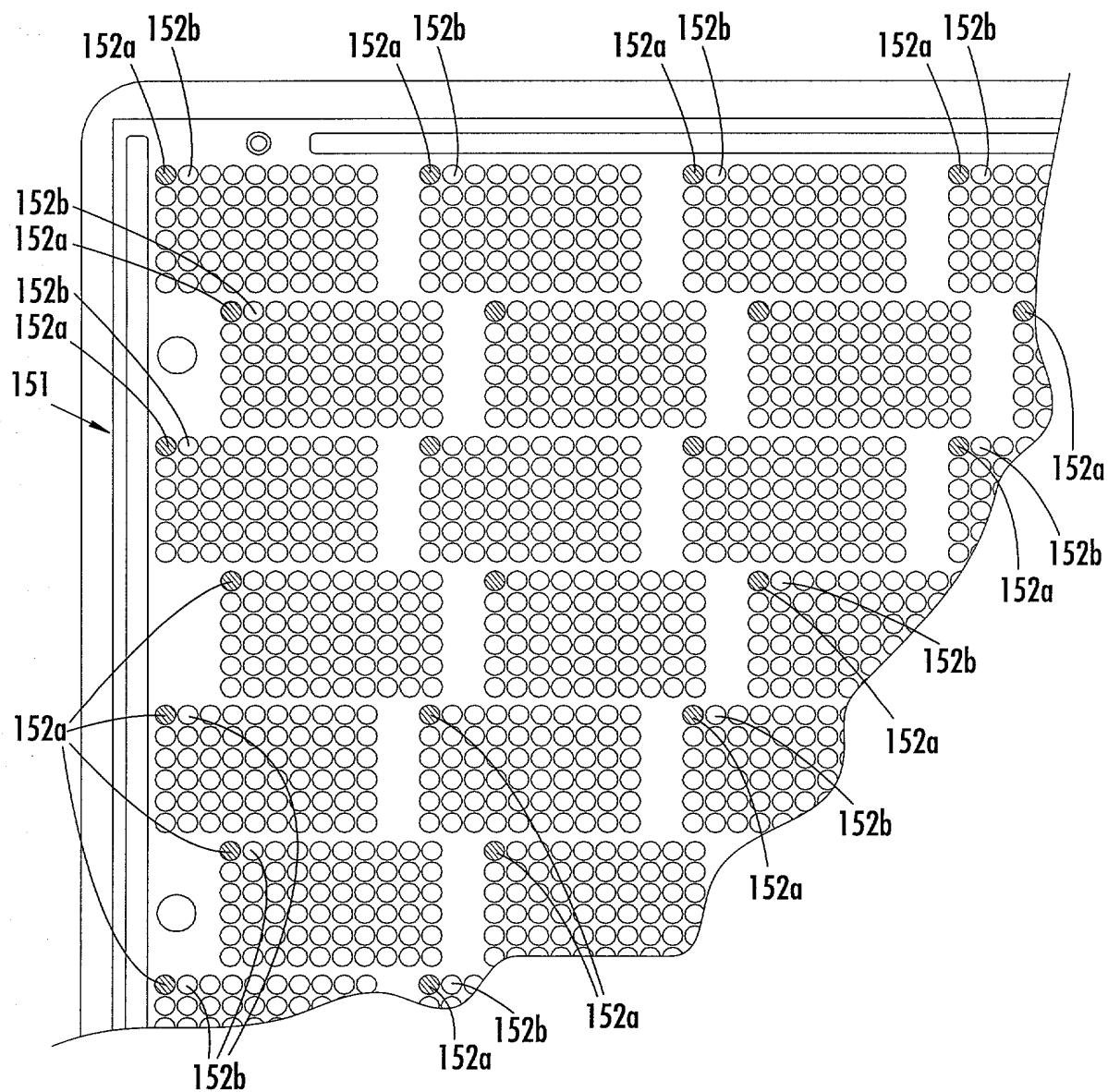
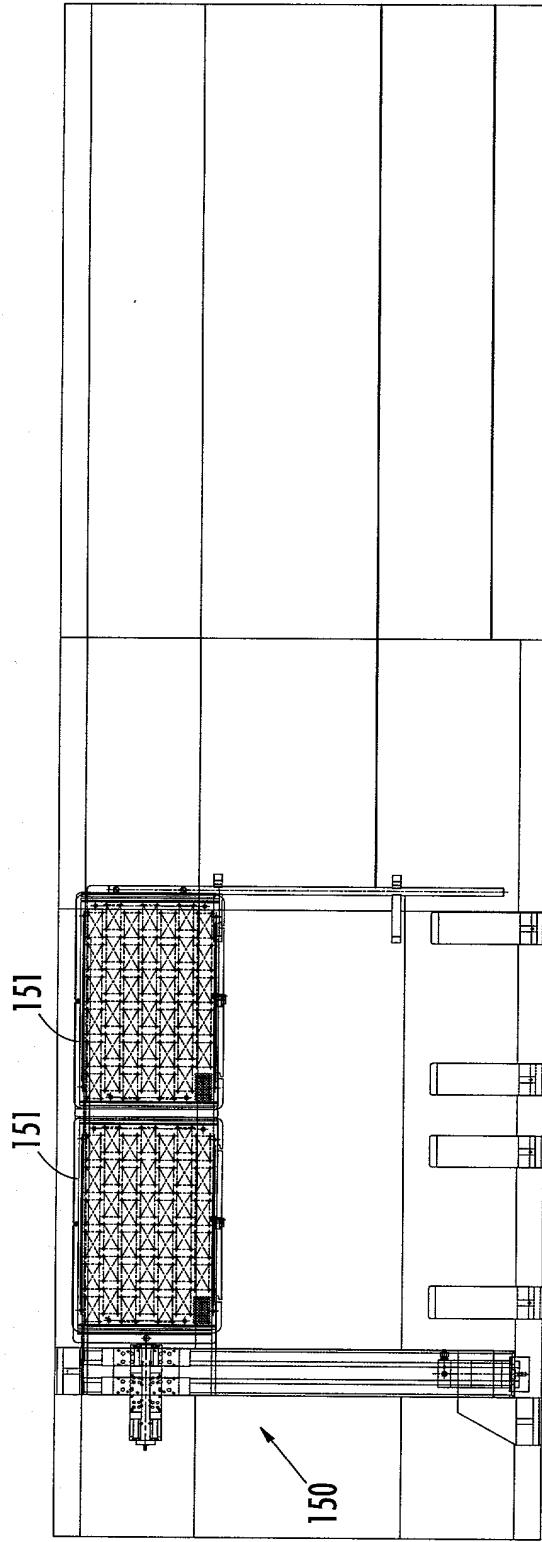
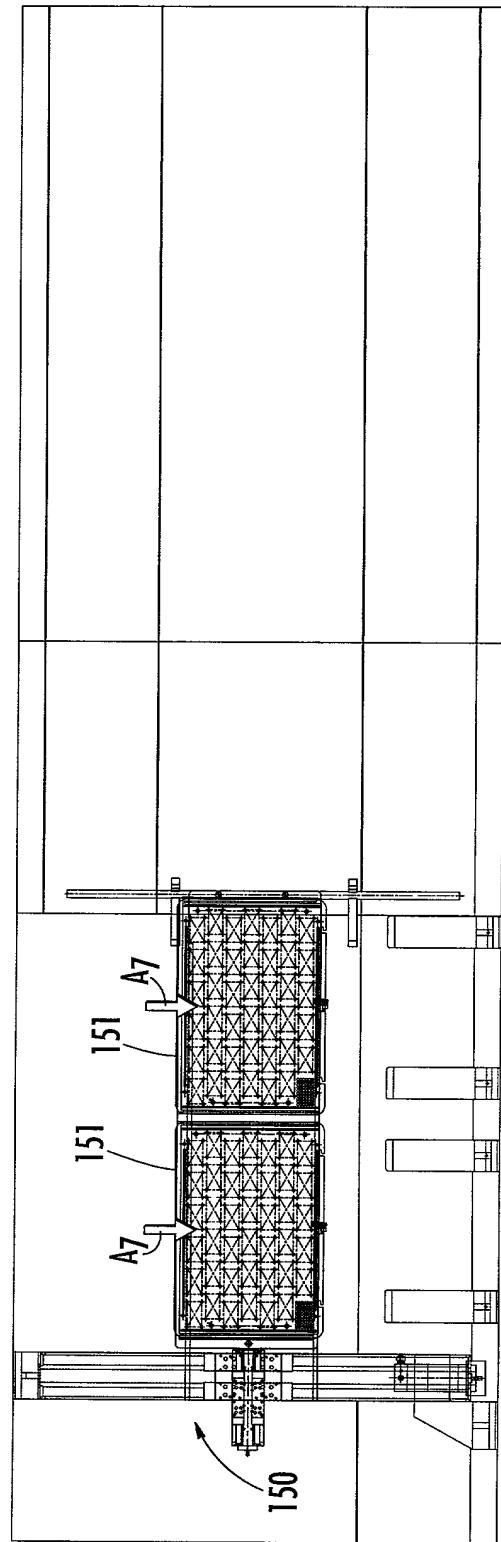


FIG. 41.

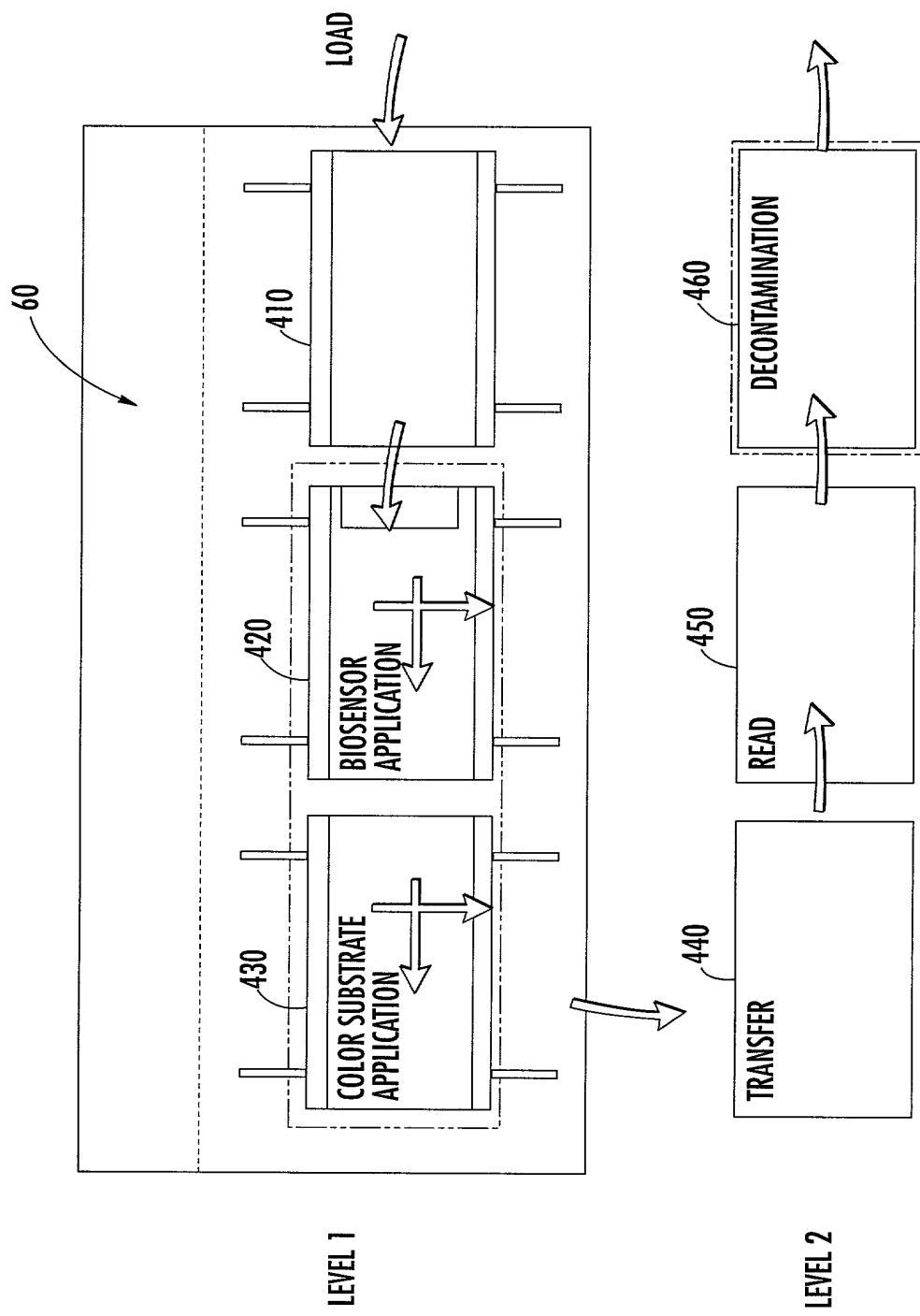


*FIG. 42A.*

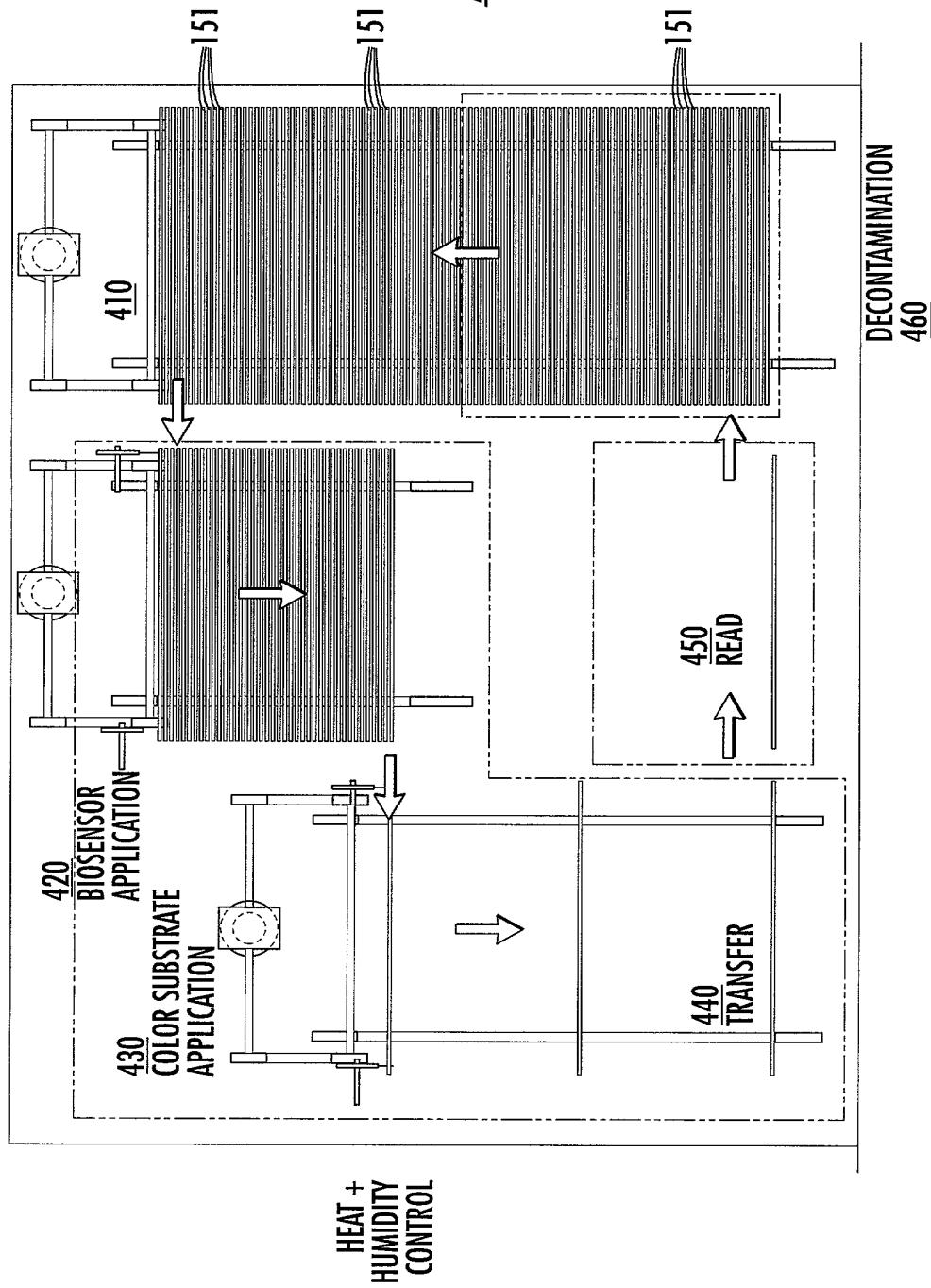


*FIG. 42B.*

FIG. 43.



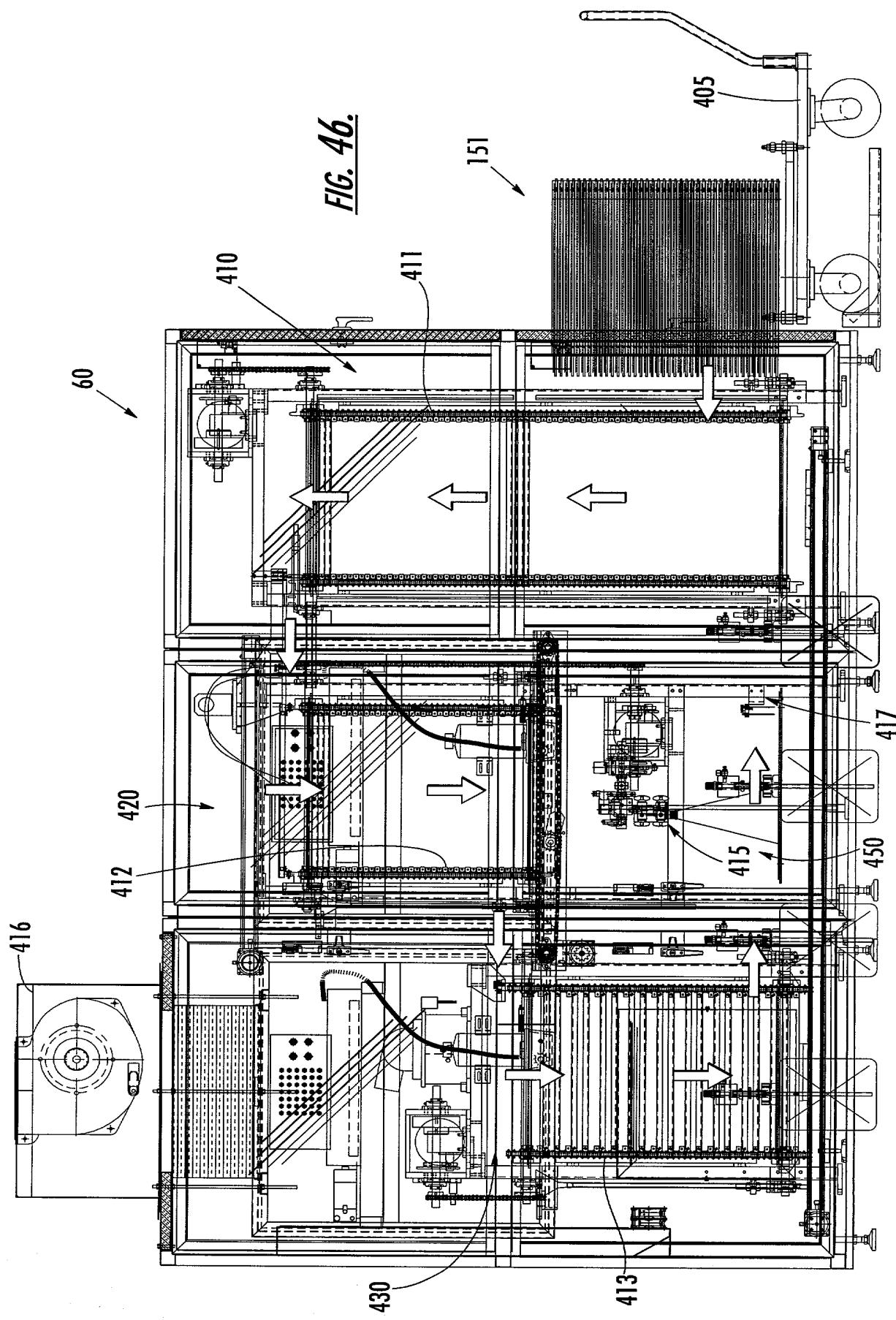
*FIG. 44.*

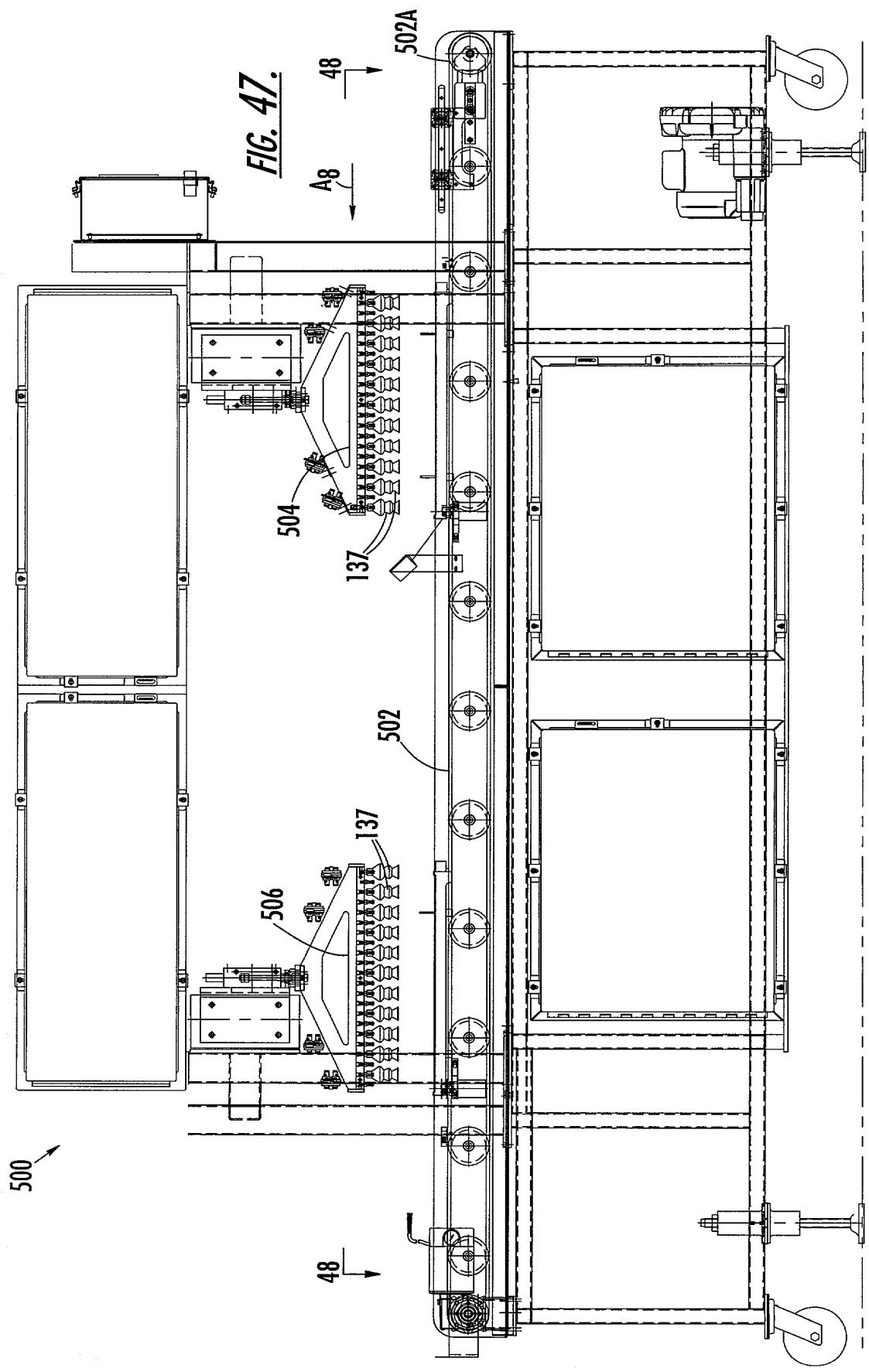


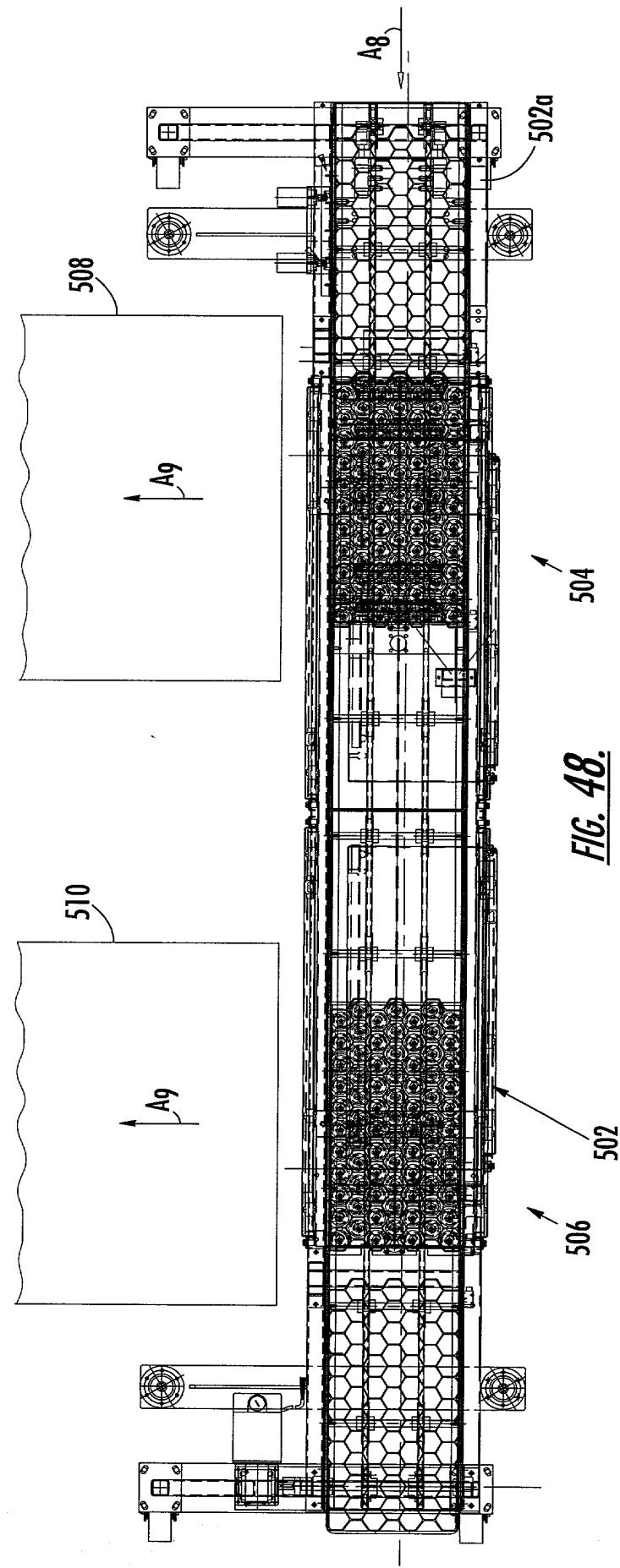
	M	M	F	F	M	M	F	F	F
20 $\mu$ l	0	0	0	0	0	0	0	0	0
10 $\mu$ l	0	0	0	0	0	0	0	0	0
4 $\mu$ l	0	0	0	0	0	0	0	0	0
					470	490	500	570	600
					510	0	0	590	630
					530	580	0	0	620
					490	590	500	570	600
					0	0	0	0	0
					0	0	0	0	0
					0	0	0	0	0

FIG. 45.

*FIG. 46.*







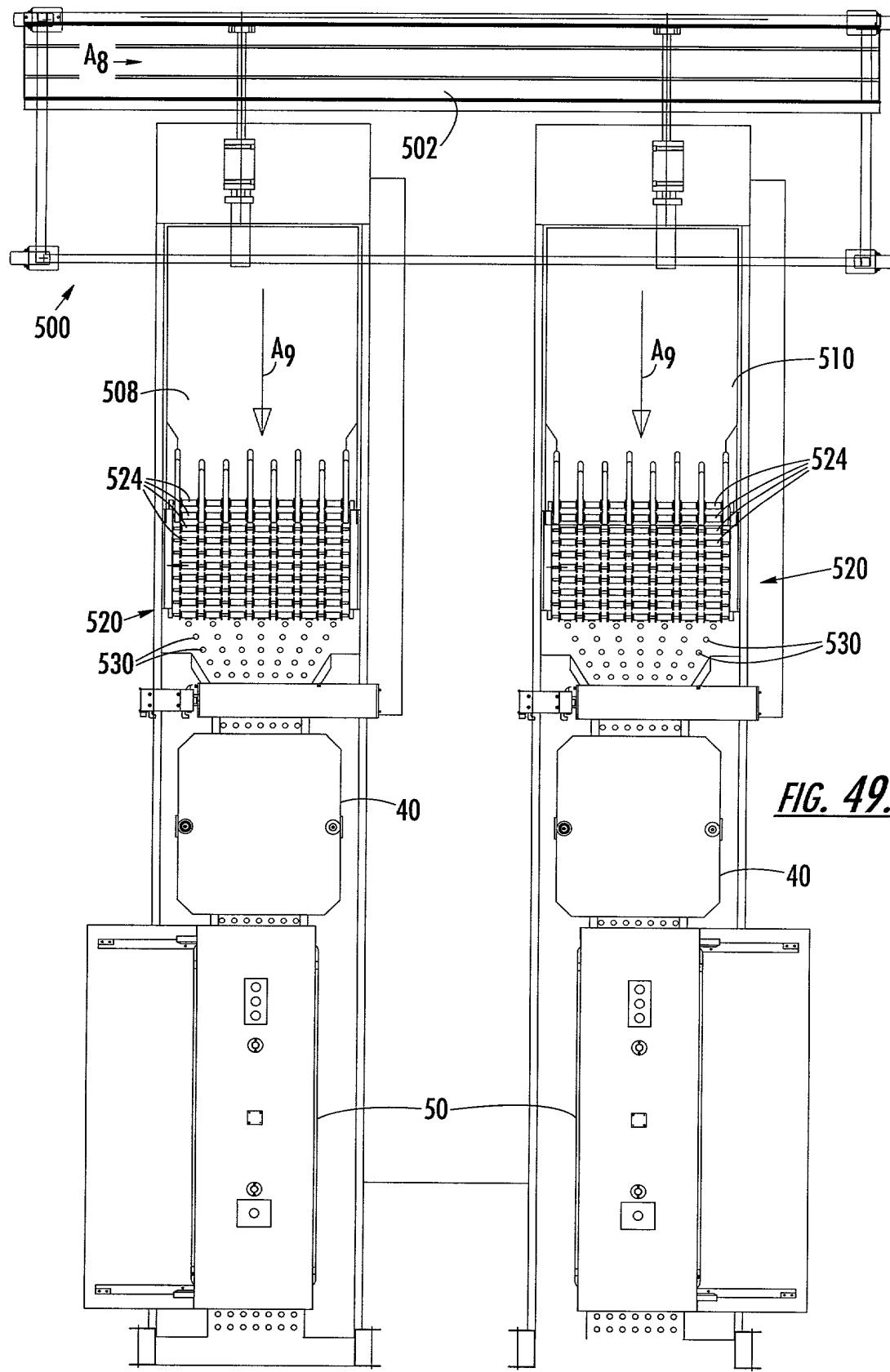


FIG. 49.

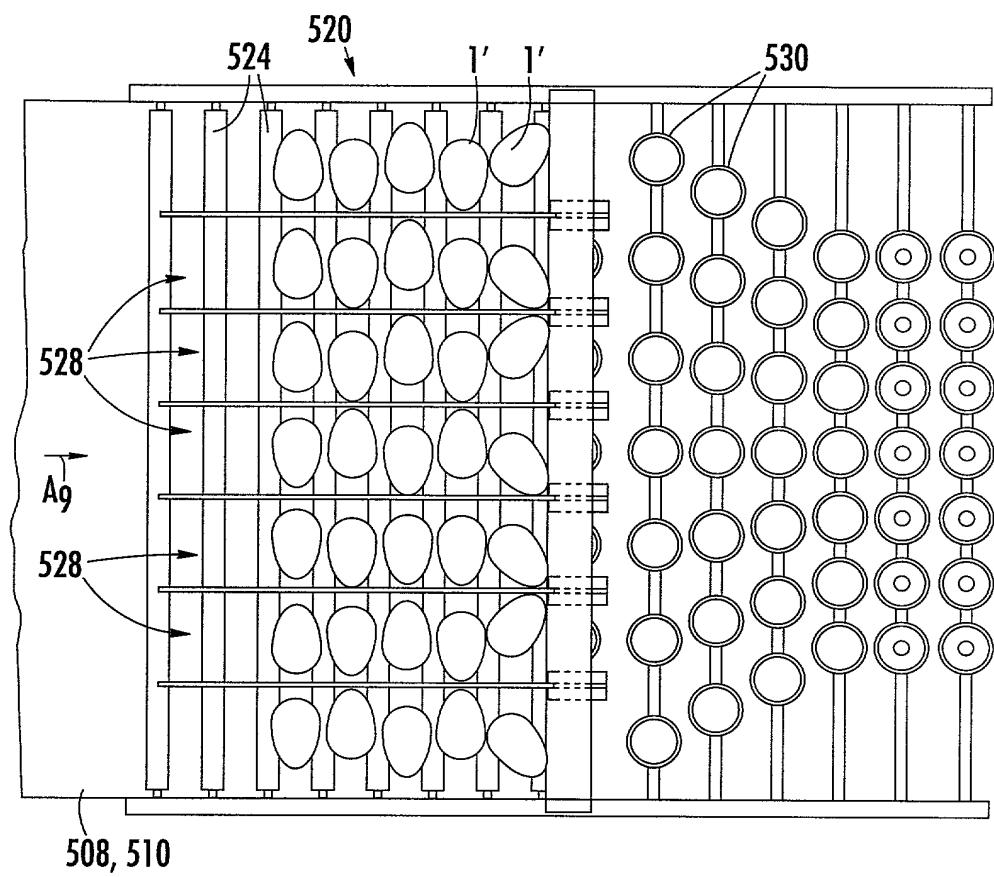


FIG. 50.

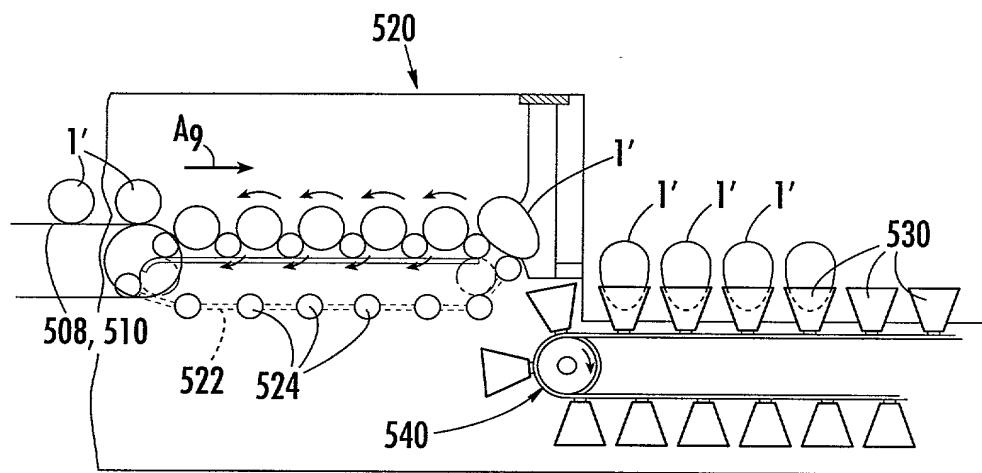


FIG. 51.

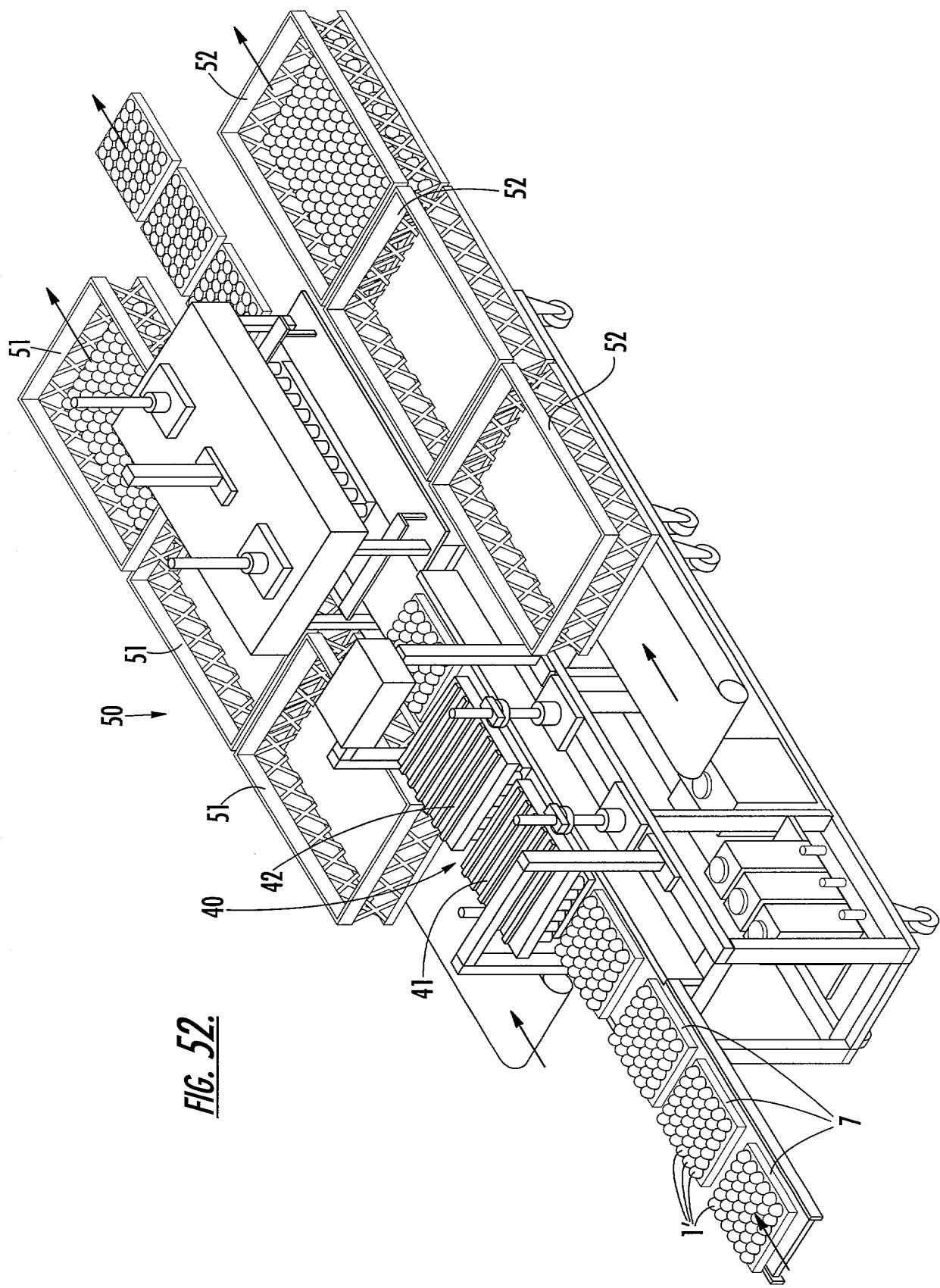
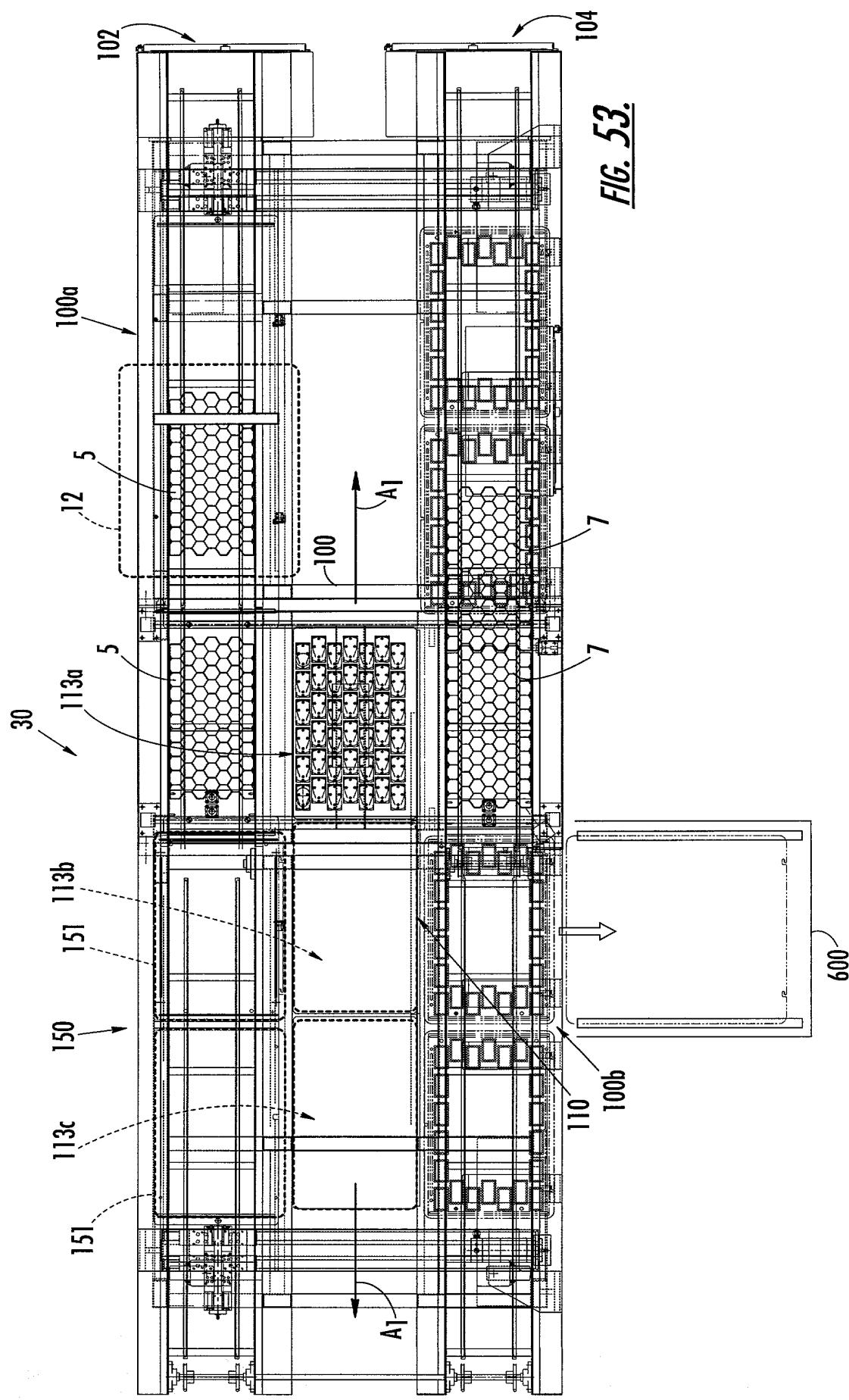


FIG. 52.



**FIG. 53.**

FIG. 54.

